

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Wayneb1103@aol.com  
Subject: [15930] 38S  
Message-ID: <970328164745\_-2039204354@emout08.mail.aol.com>

Ok, we now know that the 74hct240 is not compatable but what about the 74ls240? Can it be used? If so would there be any circuit adjustments?

Thanks

Wayne WB7WHI  
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: PGSPersEng@aol.com  
Subject: [15868] 40m propagation  
Message-ID: <970328023324\_1983725282@emout09.mail.aol.com>

>40M really sucked last night. I was calling CQ with 100 watts on my  
>ft-1000mp with no luck. I thought it was suppose to get better!

>Kory  
>AC6RN

You're not staying up late enough! On 3/27 at 0750Z (OK, I'm a night owl)  
C56/DK3FW from The Gambia was solid 559 on 7003 for half an hour. Got him on  
the first call with 5W.

Paul, AA1MI  
Rye, NH

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: HIMES@idic11.idi.oclc.org  
Subject: [15887] 48SPECIAL\_POWER\_MOD\_WORKS  
Message-ID: <01IH16M07F2QAR2LIX@idic11.idi.oclc.org>

"48Special" Power Mod works OK.

I added the power modification to my 48Special. Upon careful inspection,  
of the existing modification, no changes really are necessary, I think,  
other than the various ones discussed by other list members, for the  
10.110 mhz version.

The inductor, L5, serves as a choke, I believe, so it may not be critical. I had scaled up its inductance to 4.16 uH, which makes the toroid go to 32 turns, (up from 27) but it's not a resonant component so that may not be necessary. I'm hoping others will confirm or argue this.

The existing PI network, as modified for 40 meters in my initial writing of this, is the same.

I read about about 3 watts into my Diawa meter, then into a homebrew T-network tuner, which is pre-tuned with my Yeasu for the match with the G5RV'. The low power reading is due to a 22 ohm resistor in place of the 10 ohm part (which I did not have). It's holding back some drive current, I think. I also have a 270 ohm resistor in place of the mod's 220 ohm part (which I did not have) which may allow a higher bias and makes the '510 heat up a bit quicker. Not sure. This weekend I'll add the variable power pot mod to fix that, and put the correct values in.

After setting my keyer speed, and playing for a moment with TC2 to get a good tone in the Yeasu, I answered a CQ from a fellow in Houston. I don't have my log sheet with me so I've forgotten his call, KC5???. His name was Ray. Not familiar to me from this list. He reported me at RST 589. We talked for few minutes. Said I sounded fine. No chirp, drift, or strange stuff. I haven't checked the harmonic levels or spurious output yet.

Good luck and publish your results!

Marty WB8FNH Columbus Ohio himes@idi.oclc.org

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Jim Hydzyk <congress@magpage.com>  
Subject: [15922] 50/40/30 Delaware Results for 3/27  
Message-ID: <199703281911.0AA05238@alaska.magpage.com>

Hi Fun Seekers,

Another evening in the continuing saga of Where's the Propagation? A check of the rig and antennas at noontime gave hope to a record breaking crack at the bands but by 0000Z 30M was da pits. Even my favorite data stations were S-0 on both the vertical hanging loop and the mighty 80M dipole with their respective tuners. A separte check with the trusty IC-SW7600G said that 30M was in trouble. However, AB5X was 10-20 dB/S-9 for over an hour just below 10.115 so the Atomic keyer cranked out the CQ for 2 straight hours. Only one reply...K5PN at 5W with a good 559 signal. Here's the list:

UTC	2/28	Call	RST	S/P/C	Name	Power	
0122		K5PN	559	TX	Ron	5W	10.115 MHz, only 30M QSO
-----							
0217		N7GS	559	MT	MAL	2W	7.043 +/- 300 Hz
0220		W9KI	559	AR	HOWARD	5W	
0224		KD6ZEE	339		HERE BUT NO REPLY TO MY CALLS		
0228		AB5UA	559	OK	CLIF	5W	
0230		K4FOM	569	FL	ARMON	50W	
0244		W4DEC	559	AL	LARRY	5W	
0304		KA5T	559	TX	LARRY	5W	
0325		N5KS	559	MS	GENE	4W	
0338		KE6Z	339		WAS SIGNING /QRP...COULDN'T PULL OUT BAL OF INFO, SRI		
0343		KC4GPJ	559	FL	MOOSE	100W	

Station: The unsold FT-840 at 4 watts on 30M and 4.5W on 40M.  
 30M Ants: 30M Vertical handing Q/Loop facing Dallas, 80M dipole.  
 40M Ant: Horizontal Dipole at 35 feet.

Any corrections will be appreciated,

Jim K3QIO in Delaware for just a little longer.

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
 From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>  
 Subject: [15931] 74LS240  
 Message-ID: <199703282158.PAA05944@vob005.spd.dsccc.com>

Wayneb1103@aol.com Wayne WB7WHI wrote ( w> )

w>

w> but what about the 74LS240?

w>

Wayne et al,  
 the LS stands for Low power Schottky

It was designed to be compatible with TTL.  
 That usually means...

LO < 0.4volts

HI > 2.4volts

V max = 5.5 volts

My guess is that it would roll over and play dead.

May each of you have a joyful and peaceful Easter.

Charles Cashion, w5isz  
#include <standard-PRO-LIFE-disclaimer>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Brian K7ON Short <ke7gh@primenet.com>  
Subject: [15884] Advice Sought?  
Message-ID: <3.0.1.32.19970328151817.006bdae8@mailhost.primenet.com>

Just checked the ARRL FCC Transaction Database this morning and learned about the new call sign assigned: K7ON K7ON K7ON ...

Anyway, when should I start using it on the air? DXCluster, APRS, TCPIP, etc, etc... How do I go about getting software registrations changed?

How long can I continue using the old call (on air)?  
Can I use both for some period of time while changing?

Puzzled, Brian K7ON xKE7GH

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [15925] Another late Ham Publication  
Message-ID: <2.2.16.19970328211420.2f078fb2@eloi>

Just received my December 1996 issue of QEX in the mail yesterday (3/27/97)... Holy Cow, USPS!!

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [15902] Antenna Scrubbing??  
Message-ID: <2.2.16.19970328164331.27dff494@eloi>

Looks like it time to postpone the list again ... at least until after April 1 which is the cut-off date for everyone to get their antennas scrubbed and their coax broken in!

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [15858] Audio book suggestions needed  
Message-ID: <3.0.1.32.19970327225835.009c9370@tiger.avana.net>

I would appreciate suggestions on a good book covering: line level audio interfacing, audio standardization, and similiar audio material. Thanks.  
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140  
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Jon Iza <ea2sn@jet.es>  
Subject: [15873] Audio Xformers (LONG)  
Message-ID: <333C324C.38E7@jet.es>

LONG post about Impedance of audio transformers.  
Hit the Delete Key now, if not interested.

Gang,

I've asked the question to the list on how to characterize small size audio transformers. Recently I got a bunch of them and wanted to know their characteristics to give them a good use.

So far, no replies to my message. Taking advantage of the five day holiday we have here in Spain (Holy week and Easter) I have done some homework. Here are my advances so anyone can comment, reply, or even trash'em.

- a) Main goal of a transformer is to convert electric current into a magnetic flux and back into electric current. The flux obtained is proportional to the number of ampere-turns and, avoiding losses, is transferred from the primary ( $N_p \times I_p$ ) to the secondary ( $N_s \times I_s$ ).
- b) The relationship among voltages is directly proportional to the number of turns of primary and secondary, respectively, and the ratio

between turns (equal to the ratio of the voltages) is called the transformation ratio:  $N_p/N_s$  or  $E_p/E_s$ .

c) Combining both equations, we may see why a 110/220 to 12 transformer draws a little current on the primary but may provide a hefty current on the secondary  $I_s = (N_p/N_s) I_p$

d) An ideal transformer reflects the impedance that the secondary sees following the relationship  $Z_p = (N_p/N_s)^2 * Z_s$

First try was to measure winding resistance. The problem is that they use different wire gauges for primary and secondary (remember the amperage ratio?) so pure resistance doesn't help although it serves to decide what is going to be our primary winding, what the secondary.

An easy way to characterize the transformer, hinted by Juanito, EA2KQ, is to use an ol' bridge. Two fixed resistors for one leg, a pot and the transformer on the second leg, an AC voltmeter from left to right, and an AC generator from top to bottom (you are wise enough to figure it out, wontcha?)

An important point is to load (to terminate) the secondary of the transformer with a pure resistor. I used a 8.2 ohm resistor since I wanted the transformer for downstepping impedances: ? to 8 ohm.

Now the second question. At what frequency should I carry the test?

Well, remembering old generators with a fixed modulation of 1 kHz, I tried that for a starter.

Oh, boy! what a Pandora box! Thanks God I had a transformer I was sure of its characteristics.

Sample one: Know Z 200:8 ohms. Resistance 8:1 ohm.

Bridge result: 210:8 So far, so good.

Sample two: Unknown. Resistance 130:8. Bridge result: 400:8 ohm.

Sample three: Unknown. Resistance 60:105. Bridge result: 125:8 ohm.

Uh! Houston, we've got a problem!

Then I decided to try another way: if they are transformer, let's them to play their trick. I took the AC generator and injected on the secondary a sinusoidal wave, measuring the voltage at the primary with an oscilloscope.

The voltage ratio on sample one was 5.1:1. Using equation on d), it means that an impedance of 8 ohms on the secondary gets converted on  $8 * 5.1^2 = 208$  ohm. Not bad!

The other samples didn't worked as well as this one. Sample two had a 3.8:1 ratio, which gives as a result an impedance ratio of 115:8, which didn't corresponds with the 400:8 obtained before.

Sample three had a lower voltage on the primary than on the secondary: 3.2 Vp / 5.2 Vs. which makes things ever worser.

Finally, I found a method suggested by "The Filter Doctor" Ed Wetherhold, W3NQN. Using the output of a rig (which has a defined output impedance of typically 8 ohm), coupled to the secondary of the transformer, he

advises to, while measuring the voltage at the primary winding with an AC voltmeter and NO load, increase the audio tone up to a level of 1 Vpp, level which has to remain constant along the test. This voltage is V1. Then, without changing anything, terminate the primary of the transformer with a pure resistor "R" between 1000 and 1500 ohm (for a 200:8 transformer) and measure the resulting voltage, which is going to be V2. Use then the magic formula  $Z_p = R (V1-V2) / V2$  and you'll get the impedance of the primary for this setup (considering the impedance of the source).

I haven't tried that since I am not sure any of my rigs will have such "defined" output impedance. But I will try soon.

Let me know if you have any thoughts.

jon, ea2sn  
(C) copyright Jon Iza 1997

--  
Jon Iza ea2sn since 1978 qrp'er at large! <mailto:ea2sn@jet.es>  
\*\* One's needs are proportional to the square of his/her incompetence \*\*  
URE - ARRL - DARC - VERON - ARI - WIA - NZART - AMSAT-UK - TAPR - IDRA  
EAqrp 26 = Gqrp 1216 = ARCI 5153 = qrp-L 313 = NorCal 701 = ARS 202

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
Subject: [15856] Balanced lines  
Message-ID: <M1370027.004.qh0y3.1.970328031505Z.CC-MAIL\*/OU=LMPCC10/OU=ILBE/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Jim:  
I have the QRP version of the LDG, and also some MFJ manual tuners, all single ended.

I feed my 40m diamond loop with 300 ohm twinlead, with no problem. The secret is to adjust the length of the feed line to get the lowest possible feed impedance at the shack end. I have about 20 extra feet of 300-ohm twinlead looping through my garage rafters before dropping down to the operating table. At that point, put in a 1:1 choke balun, also called a transmission line balun.

Mine is about a dozen bifilar turns of wire on a ferrite rod. I have banana jacks at one end for the twinlead to plug into, and a female coax fitting at the other for cable to the LDG.

Now, the tradeoff. As described, this is a one band antenna system, although it would be ok on the third harmonic, 15m, also. To work other bands, you would

need to vary the line length again, to get the low impedance down to the shack end. You could make up some twinlead sections and just plug them in like an extension cord to get the correct length for any band.

Anyway, not a difficult task at all.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)  
Subject: [15905] balanced tuners  
Message-ID: <9703281727.AA05758@krypton.nmr.Hawaii.Edu>

It is possible to create a tuner specifically to be fed with coax and output to balanced line. The transformer that couples the signal has its secondary floating and the capacitor on that side is split, or ganged so that half is on each end of the secondary. The primary is a standard grounded circuit for input with the coax. It can be looked at as a floating secondary with a pair of ganged tuning capacitors to which the input signal is coupled with a singled ended tuned loop. By adjusting the turns ratio you can convert any reasonable impedance range up or down. The simple approach of including a balun is widely used in commercial tuners because it allows one to add a balanced input easily to an unbalanced input/output design. If you really want a tuner designed specifically to hook only to balanced wire, simple designs exist, though the split capacitors the secondary wants can be hard to find. Often capacitors can be found that have a bit of shaft protruding at the rear and a coupler can be used on this to couple to a second identical capacitor.

Check out OLD ARRL Handbooks.

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [15918] Balanced Tuners  
Message-ID: <199703281925.MAA29952@lynx.csn.net>

A couple of people have pointed out that there are in fact "balanced tuners" which are designed to work with balanced feedlines only and which are described as being without baluns.



Well, I don't want to be accused of splitting hairs, but it seems to me that it's just a matter of terminology.

As I see it, you simply cannot go from an unbalanced line to a balanced line without a balun, period. Any device which has an unbalanced input and a balanced output is ipso facto a balun.

There are two functions which a balun can perform, and that seems to be confusing the issue. First is transformation from unbalanced to balanced (and vice versa). Second, since the device actually is a transformer, you can use it to transform impedance by putting a different number of turns on one side of the transformer as compared with the other. Or you can use the same number of turns and have the same impedance on both sides, aka a 1:1 balun. The impedance ratio of a balun is equivalent to the perhaps more familiar turns ratio of a voltage transformer (and there are 1:1 voltage transformers, too, generally called isolation transformers or, if memory serves, autotransformers.)

So... it seems to me that if an antenna tuner is designed to work only with a balanced output, then it is by definition a balun in and of itself, albeit a "tunable" balun.

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Jeff Grudin <grudin@pacific.vdbs.com>

Subject: [15896] CQ Article - QRP Maritime Mobile?

Message-ID: <333BF36D.126D@pacific.vdbs.com>

Sorry to post to the list. I lost my Feb CQ and I believe that is where I saw an article by an op on east coast from our list that did maritime mobile from a Catalina 27 with a kite antenna.

The article said he was on this list. If anyone knows his email address I would sure appreciate it. It was listed in the article.

Thanks.

--

73 de Jeff AC6KW

grudin@vdbs.com

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QRP-L #16 Private Practice : Companion Animals and  
Exotics  
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa  
Cruz  
Santa Cruz,  
California

QRP'ers do it with less energy (but lot's of enthusiasm)!

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From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Len W. Tough" <len@infinet.com>  
Subject: [15928] CQrp Easter BEACON - WE HAVE A FIRST COPY!  
Message-ID: <199703282138.QAA05213@mail1.infinet.com>

Hi Gang

Congrats to Carl Yaffey K8NU for succesfully copying the CQrp Beacon!

For those that missed the first post:

The Columbus QRP Club (CQrp) will sponsor an 40 meter EASTER BEACON this holiday weekend starting today (Friday) at 17:00z and ending on Sunday at 17:00z

Frequency is: 7033.3

Power Level - 50mw measured at rig - OHR 400 (I figure this gives me about 30mw at the ant)  
Antenna - Fritzel Windom Dipole up 30 Ft.

Frequency measured with S&S Programmable Counter  
Power Level measured with OHR WM2

Callsign (Columbus QRP Club pending Vanity): KC8FUM

Beacon Frequency - Every 3 minutes

Beacon will start with: VVV VVV EB EB EB DE KC8FUM BT

Then a short message will be sent from the Columbus QRP Club (at 20 wpm)

Copy the message, send the message via email to len@infinet.com, and the

Columbus QRP club will send you an Easter BEACON COPY Certificate. Not too fancy, but fun!

Since I get about 300 emails per day PLEASE subject the email: BEACON COPY - Otherwise, chances are I will miss your email.

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [15840] DATA SHEET: NE602  
Message-ID: <199703280014.RAA19172@zia.aoc.nrao.edu>

[QRP Tech Note Series de NA5N]  
DATA SHEET: NE602/SA602 DOUBLE BALANCED MIXER AND OSCILLATOR

-----  
Manufactured by Signetics (Info from Signetics Data Book, pg. 4-69+)

[The NE602 was designed initially for the wireless telephone industry.  
Some information from the data sheets not applicable to QRP or general  
HF work is omitted. -NA5N]  
-----

**\*\* PIN-OUT \*\***

-----  
INPUT A --(1)-| |-(8)-- Vcc  
INPUT B --(2)-| |-(7)-- OSC. OUT  
GND --(3)-| |-(6)-- OSC. IN  
OUTPUT A --(4)-| |-(5)-- OUTPUT B  
-----

**\*\*FEATURES**

- \* Low current, 2.4mA typical
- \* Excellent noise figure <5dB
- \* Excellent gain, intercept and sensitivity
- \* Low external parts count

NE602N: 8-pin plastic DIP for 0 to 70C  
SA602N: 8-pin plastic DIP for -40 to 85C  
NE602F: 8-pin ceramic DIP for 0 to 70C

**\*\*APPLICATIONS**

- \* Mixer/Oscillator
- \* Portable radio/transceivers
- \* HF/VHF frequency conversion

**\*\*DESCRIPTION**

The SA/NE602 is a low-power VHF monolithic double-balanced mixer with input amplifier, on-board oscillator, and voltage regulator. It is intended for high performance, low power communication systems. The mixer is a "Gilbert Cell" multiplier configuration which typically provides +18dB gain at 45MHz. The oscillator will operate to 200MHz. It can be configured as a crystal oscillator, a tuned tank oscillator or a buffer for an external L.O. The noise figure at 45MHz is typically less than 5dB. The gain, intercept performance, low-power and noise characteristics make the SA/NE602 a superior design choice for high-performance battery operated equipment.

-----  
\*\*ABSOLUTE MAXIMUM RATINGS

Vcc	Max. operating voltage	9 vdc
Tstg	Storage temperature	-65C to +150C
Ta	Operating temperature range	
	NE602	0C to +70C (degrees)
	SA602	-40C to +85C

-----  
\*\*AC/DC ELECTRICAL CHARACTERISTICS at Ta=25C, Vcc=6v

Vcc	Power supply voltage range	4.5v (min) to 8.0v (max)
	DC current drain	2.4mA(typ) to 2.8mA(max)
Fin	Input signal frequency	500MHz (typical)
Fosc	Oscillator frequency	200MHz (typical)
	Noise figure at 45MHz	5.0dB(typ) to 6.0db(max)
	Conversion gain at 45MHz	14dB (min) 18dB(typ)
Rin	RF input resistance	1.5K (min)
Cin	RF input capacitance	3pF (typ) to 3.5pF (max)
Ro	Mixer Output resistance	1.5K (typ) (pins 4 or 5)

-----

The SA602 is capable of receiving -119dBm signals with a 12dB S/N ratio at 45MHz in cellular telephone applications.

[Lab tests shows the NE602 is ~-122dBm @7mHz; -118dBm @10.1MHz -NA5N]

\*\*DESIGN NOTES (From data sheet and personal experience)

1. RF inputs (pins 1,2) are biased internally; they are symmetrical and can be used interchangeably, but do not bias externally. [AC coupled only or from LC tuned circuit or transformer].
  2. Mixer outputs (pins 4,5) also internally biased, connected to Vcc through internal 1.5K resistors. [They can thus be used as single ended output without upsetting the balance of the mixer].
  3. Oscillator capable of sustaining oscillation beyond 200MHz in crystal or tuned tank circuits. [External L.O. injection should be at least 200mV, such as for the TX mixer or BFO for a product det.]
  4. [When stealing oscillator power from pin 7 to another circuit, an FET or transistor buffer should be used for minimum loading and isolation].
  5. [In early 1995, single unit costs from mail order vendors for a NE602N was about \$3.00 each].  
Update ... in 1997, \$2.25-2.50 seems to be the average price.
-

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Brad Mugleston <bmug@gwl.com>  
Subject: [15920] Digest ??  
Message-ID: <01BC3B73.A1289340@pps-pc10.gwl.com>

Are we having Digest Problems? I did not get one today or Wednesdays. I put in a GET for Wednesdays #676 but it hasn't made it here (over 24 hours). Help I don't like this cold turkey stuff.

de KBØROL, Brad

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Len W. Touth" <len@infinet.com>  
Subject: [15875] EASTER BEACON!!! and Certificate  
Message-ID: <199703281327.IAA25915@mail1.infinet.com>

Howdy Gang:

The Columbus QRP Club (CQrp) will sponsor an 40 meter EASTER BEACON this holiday weekend starting today (Friday) at 17:00z and ending on Sunday at 17:00z

Frequency is: 7033.3

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Since I get about 300 emails per day PLEASE subject the email: BEACON  
COPY - Otherwise, chances are I will miss your email.

Have a good Easter weekend holiday.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

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QRP-L # 841            CQrp # 2            ARCI # 9025            FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,

Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

---

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: "Robert J. Gobrick" <70466.1405@compuserve.com>

Subject: [15901] FDIM Posting in 73 Magazine

Message-ID: <3.0.32.19970328104655.00bf330c@nflld.com>

Mike and QRP-L Gang,

I wanted to publicly thank Mike Bryce WB8VGE for the nice posting on the  
FDIM 97 QRP Symposium (May 15-18) in the April 1997 issue of 73 Magazine.  
Mike writes the QRP column every month and he made a nice plug for QRP  
Amateur Radio Club International and the QRP ARCI sponsored FDIM 97 event.

Just a quick update - Bob Follett AB7ST, FDIM Registration Chairperson,  
(bfollett@ditell.com) told me that registration is now over 80 folks and  
still growing. Since FDIM 97 will be held in the bigger Days Inn South  
Dayton ballroom this year we will have plenty of room for more registrants.

If you think you'll be attending please let Bob know so we can effectively plan the lunches and the FREE GIFTS for every one (let's see if that marketing technique works...)

Anyway thanks again Mike and thanks to all the other columnist and newsletter editors for your posts of FDIM.

Cheers 73/72 Bob N0EB (V01DRB)

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| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |
|-----|
| Bob Gobrick - N0EB (ex WA6ERB, V01DRB, VE2DRB) Stillwater, MN |
|-----|
| Internet:      rgob@tco.infonet.com |
| AND Internet:  70466.1405@compuserve.com |
|-----|
```

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [15861] FILTER FOR ARGO 509  
Message-ID: <Pine.BSI.3.93.970327235634.14828A-100000@u1.abs.net>

I have used an Auttek QF-1A Filter with my Argonaut 509 for many years now. i keep saying that i am going to modify it and insert it into the chain ahead of the audio amp. there is a plug on the back of the Argo for an external filter. I currently have 2 QF-1A filters, but they are out of production and becoming scarce like the origional Argo Filters. I used a home brew one for years. You can buy an audio filter module kit from EMTech, W6EMT for about \$20. It is pretty much the same as the CWF-2 that MFJ used to make. Most people that I have heard from say that it does nicely. The QF-1A runs around \$50-60 if you can find them. A real top notch filter. Does SSB and other tricks as well. You also might want to investigate the Switched Capacitor Filters that are sold by Oak Hills Research. I understand that they work quite well. If they are as good as the SCF in the QRP +, they would be perfect for the Argonaut. there is nothing like a good audio filter to improve the results with your Argonaut. Except maybe a Bigger Antenna. :-)

72 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net  
Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [15845] First 38 Special contacts made ...  
Message-ID: <333c13da.16778850@smtp.usit.net>

Dunno if they are on the list or not, I doubt it, but I finally got my first two contacts on the 38 Special -- the first HF contacts in five years for me! One was to NG3W in PA, who gave me a 559, the other also gave me a 559, N2YVF/QRP in Palmyra, NJ. Lots of QSB. I was so nervous, I could barely copy anything, not because of the sigs, but because of my lack of confidence in the code speed.

I'm not sure what comments I got about the radio -- I think they were nice (I did align it for a pretty tone on the Radio Shack Probe Scope, but still cannot see if there are any key clicks, etc.). One commented (I think) that it sounded chirpy at first, but then it went away. I don't doubt that -- the side tone sounded horrid on the first key-down, but got better over time. Perhaps there is still some tweaking to do? Almost like a temperature instability of some sort. If it had a life of it's own, I'd say it took its time waking up! Some signals heard were so loud, they were buzzing, but would then settle down a bit over time.

So, the rig is no longer a virgin. And, I need to find some \*seriously\* slow speed stations and start building speed again.

The next rig definitely gets a variable RF out control. I \*might\* have gotten 1000mi/watt with it! But, as it is, I only got 200 or so (running 5 watts).

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: w7rfm@juno.com (John E Hirsch)  
Subject: [15866] First QRP contact  
Message-ID: <19970327.230039.4334.5.w7rfm@juno.com>



Well gang.....

It happened. John,N3Q00, met me on 40M to night at 0300 UTC and help me make my first ever QRP contact. It was great..... I was worried though because there was some heavy weights on the Freq around us and I was not sure that John would be able to hear me. Anyway when the appointed time rolled around I was there to hear my call. I went back to n3qoo and took a deep breath, I just knew that he would not hear me, and listened. A long long LONG time passed, must have been for ever, and then I heard him answer me. NOW what!!!! I had to get my hand to work, I could not copy at first,then it was my turn to send and I could not get his call correct. You would think that this was the first EVER cw contact---far from it.

To make a long story short. The long wait was probably half a second, BUT it seamed like a life time. We had a good exchange or RSTs 448----448.

Tnx to John and all the rest of you for your help. I hope to work each and every one of you in the future.

I did make a second contact after John. K7UAQ in Grants Pass, Or and I made contact with KE8TL but can,t count that one since he went away as he was sending my RST and I never heard him again.

Lots of fun.....:-)

John , W7RFM

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: w7rfm@juno.com (John E Hirsch)  
Subject: [15890] FS Drake TR-4  
Message-ID: <19970328.074305.2718.1.w7rfm@juno.com>

I have for sale a DrakeTR-4 with some other goodies. The Drake has been gone through and caps. replaced and new tubes. Works great. Has full out put power and is great on CW. I used it for CW minly. Must sell to get new antenna system (XYLs words--)

Asking Price is \$250.00 and us Ship. They are all Boxed and ready to go.

John, W7RFM  
w7rfm@juon.com  
206-838-2658 work  
206-874-6286 home  
206-661-7611 fax

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Dick Schneider <rschneid@ix.netcom.com>  
Subject: [15908] FS: HW-8  
Message-ID: <333C029F.13B2@ix.netcom.com>

FOR SALE: HEATHKIT HW- 8 \$150

HW-8 QRP CW TRANSCEIVER  
- 2 TO 3 WATTS OUTPUT  
- EXCELLENT CONDITION  
- 15, 20, 40, 80 METERS  
- MANUAL

\*\*I SHIP CONUS, INSURED UPS GROUND\*\*

72 DICK ABOCD..

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Dick Schneider <rschneid@ix.netcom.com>  
Subject: [15907] FS: HW9 STATION  
Message-ID: <333C022E.415B@ix.netcom.com>

FOR SALE: HEATHKIT HW-9 STATION \$325

HW-9 QRP CW TRANSCEIVER  
- 4 TO 5 WATTS OUTPUT  
- EXCELLENT CONDITION  
- 10-80 METERS \*\*NO WARC\*\*  
- MANUAL & MOD DATA

SP-99 MATCHING SPEAKER

PSA-9 MATCHING POWER SUPPLY

HD-1422 MATCHING ANTENNA NOISE BRIDGE

\*\*I SHIP CONUS, INSURED UPS GROUND\*\*

72 DICK ABOCD..

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>  
Subject: [15904] FSFM reports !?  
Message-ID: <199703281716.MAA24542@nss2.CC.Lehigh.EDU>

Greetings,

Has anyone had success this past week with RI and DE ?? I seem to be striking out on east coast QRP this week.

thx es 72 de n3qoo  
john

-----  
John A. Evans                      Chief System Administrator  
Office: (719) 528-1800 x164              Titan Client/Server Technologies  
Fax:        (719) 528-1275                1115 Elkton Dr, Suite 200  
email:    jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535  
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Norcal    #262    QRP-L    #219    QRP-ARCI    #8303    NE-QRP    #213    CQC    #045  
CQrp       #15    NJ-QRP   #50    AK-QRP       #52    NW-QRP    #454  
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>  
-----

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [15917] Ghost Morse  
Message-ID: <199703281901.MAA28133@lynx.csn.net>

I think probably you have a tendency to hear what you are listening for, whether it's really there or not. This opinion is based on years in a "corporate management environment" where it was a well know phenomenon.

It's kind of like hearing pixie voices in a babbling brook or a filling toilet sistern or the flood cycling in a refrigerator when the house is very quite. It's ok to hear those voices, but if you start understanding what they are saying, well... Houston, we have a problem.

I myself hear Ghost Morse very often on 40M, especially when I'm listening really hard. As you know, there is a lot of foreign SSB traffic in our little neck of the woods. I've noticed that when I narrow my audio filter all the way down to 100Hz, I hear Ghost Morse with alarming regularity. It's true that human speech has a 700Hz component, and if you are listening only for that you will here it in short pulses at frequent intervals. Is this coincidence, or is

someone using trivial SSB conversations to conceal coded messages?  
I don't know, but I swear the other night I copied the words "we  
must move to the other side of the comet now."

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: ericvia@why.net (Eric Via)

Subject: [15897] Ghost Morse & Kid's Cartoons

Message-ID: <v01520d02714d4f4ed835@[205.240.253.214]>

Folks,

As Dave Ackrill pointed out this morning - a lot of times, if  
you have kids, it's NOT your head, it's NOT the ghost Morse  
we're all cursed with, but rather the children's cartoons!

I don't know WHAT it is about kid's cartoons nad morse - but  
it happens all the time!

Because when a super-hero has to recieve a message, and  
it's urgent - it's ALWAYS sent in MORSE!!

Hurray for Hollywood!

72 Eric "QRP Super-Hero" Via AD4SS

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Allen Jones <ajones@adsnet.com>

Subject: [15916] Hamfest Tri-state, IL, IN, MI area

Message-ID: <1.5.4.32.19970328185145.0068c12c@adsnet.com>

The Michigan City (IN) hamfest will be held Saturday, March 29th in the cafeteria at Michigan City High School on Pahs Rd., =BD mile south of route= 20 (50 mi east of Chicago) from 9AM til 1PM central time. Talk-in on 146.37/97 131.8Hz PL.

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: km@PACT.ORG.PE ()  
Subject: [15862] HOTEL Ops  
Message-ID: <m0wATsW-000VJ1C@uurcp.rcp.net.pe>

It takes some gumption plus acting casually to string up antennas in or from hotels.

In one motel I put a bumper mounted 80 meter (Pro-Am) on the back window sill, then laid out two full sized radials along the building. Worked just fine and kept some skds from RI to NY.

In Ecuador my wife and daughters commented that it was not funny that "CQ CQ CQ from HC1CK" was coming out of the public address system. Poor wiring practices in the hotel, they just put the speaker wires on the roof and the wires tended to "attract" my RF and AF too! Moral of the story -- use QRP CW only because most folks can't understand CW!

Try anything -- once in upstate NY I hung a 10 meter dipole from one room to the next using the sprinkler pipes for support -- worked Argentina and no problems except that the doors had to be kept opened!

Most important, don't stay in places that do not face the desired direction, no access to the roof, no trees or other suitable antenna supports. Pick rooms that fit the antenna plans.

Use earphones and avoid shouting into the mic. Better yet use CW

PS I've yet to be asked to leave.

72,

Kris  
OA4DBO

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "John Smith" <jtsmith@mindspring.com>  
Subject: [15863] Index Labs QRP-PlusPlus for sale  
Message-ID: <199703280530.AAA11912@brickbat8.mindspring.com>

I have a mint Index Labs QRP ++ for sale. Latest model with super receiver and transmitter. Milliwatts to 5 watts. With MFJ285W mic, original box and manual. Used very little, only in ham shack about dozen times. No scratches never been in the field or mobile. Less than 9 months old. Do not have time for amateur radio.

Cost new \$695 with \$30 mic

Asking \$550 will pay shipping insured within lower 48 states.

Call 770-641-0964 evenings after 6 PM EST  
or send email to my address below.

John de KI4X0, or <jtsmith@mindspring.com>

"Thanks for all the fish"

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [15909] MFJ tuner 16010 comments?  
Message-ID: <n1352572454.742@msmailgw1.arlut.utexas.edu>

Hello all and have a good Easter weekend, and CQ WPX contest---a good chance for QRP SSB! See CQ or Mar. QST for rules, I hear.

Does anyone have experience using the above tuner? It is a small MFJ box, blue and off white, from back in the days they used the two color boxes, with slots; like the larger one at Radio Shack.

It is an L network, with two stacked toroids, wound and tapped to a switch, and then with a variable cap on the output side of perhaps 100 Pf, for antenna matching. Wonder what range of matching it will do? Perhaps if I get a chance I will do some basic testing with non inductive/capacitive loads and at least see what range of resistance it will transform to 50 ohms, using the Autek Analyst.

Please reply direct, and I will summarize to the list.  
Thanks, 72, Stuart K5KVH < rohre@arlut.utexas.edu >

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: n4so@juno.com (CHARLES K BROWN)  
Subject: [15877] MI Sprint  
Message-ID: <19970328.080109.7671.3.n4so@juno.com>

sprint.txt

The following is a saved text file.

You can be a USA non-member and count as "2 points" in the scoring.

MICHIGAN QRP CLUB

1997 GOOD FRIDAY CW SPRINT

DATE: 2300Z 28 March, 1997 to 0300Z 29 March, 1997.  
(1800EST Fri. 03/28/97 to 2200EST Fri. 03/28/97)

CW only. 160 thru 6 Meters (no WARC bands).

The activity is open to all amateurs.

CLASSES: A - 250 milliwatts or less output.  
B - One watt to 250 milliwatts output.  
C - Five watts to one watt output.  
D - Over five watts output.

EXCHANGE: RST, QTH (State/Province/Country) and MI-QRP Membership  
Number (non-members send power-output).

SCORING: Stations may be worked once per band for QSO points.  
All member contacts are 5 points.

Non member contacts in W & VE are 2 points.

Non member contacts outside W & VE are 4 points.

Multiply total QSO Points, on all bands, by the total

number

of States/ Provinces/Countries worked on all bands for total points.

U.S. & Canada do not count as countries.

BONUS POINTS: Total points may be multiplied by 1.25 for home brew RX or  
TX

w/commercial RX or TX combinations. Multiply by 1.5 for a total

homebrew station. Home brew = any kit or home made gear, it is not necessary for you to have built it yourself.

Those using homebrew gear on some, but not all bands, may claim credit by listing the proper bonus points in each band's "BPts" column on the score sheet adding them up and dividing by the number of bands used. Enter the average (round to 2 decimal places) in the "Totals" row, under the "BPts" column. I'll do this for you if you give me adequate rig info on each band.

AWARDS: Certificates awarded by class for each State/Province/Country.

A legible, chronological log is required. Please include your name, call, address, equipment description and POWER OUTPUT Logs must be received by 5 MAY

1997. Results will be printed in the June, 1997 T5W.

Final decision on any contest matters rest with the contest manager.

All logs to: L. T. SWITZER N8CQA  
654 GEORGIA AVENUE  
MARYSVILLE MI 48040-1243

Log and entry sheets available for an SASE to the above.

nnnn

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: k5zty@juno.com (WILLIAM A STIETENROTH)  
Subject: [15857] MI-QRP Good Friday Sprint  
Message-ID: <19970328.020815.5231.5.k5zty@juno.com>

Buck,

In your post to the QRP-L dated 20 Mar. '97 , in the greeting; "Gang- the MI-QRP Club.....Times are 22:00z 03/28/97 to 02:00z 03/29/97.....".

In the Rules printed below; "DATE: 23:00z 28 March,1997 to 03:00z 29 March 1997."



The time has been posted both ways on different web pages BBSs etc..  
Which is right?? Contesters want to know..

72,  
Bill, K5ZTY  
Houston, TX  
k5zty@juno.com

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [15867] Missing - G3YCC!  
Message-ID: <859532846.1114640.0@gqrpclub.demon.co.uk>

OK, I'm back. Been to VK5 and worked some nice QSOs with my QRP+. Will  
concoct a bit of detail and put it on my web pages in the near future,  
which you may find of interest.  
Don't like to broadcast when I'm away for obvious reasons.  
Good to be back home...  
---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web sites: <http://www.gqrpclub.demon.co.uk>  
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: tahrens1@juno.com  
Subject: [15921] MMA Vertical - Found my camping buddy!  
Message-ID: <19970328.132943.4895.0.tahrens1@juno.com>

Howdy folks... the weather was 85 degrees &  
sunny, so I figured that the afternoon was  
meant for more than work! Punched the  
vacation clock, & here I am.

Fired up the newly modified MMA vertical, and  
talked to NU5X/M on 40 meters, and W3PA on  
30 meters.. got 579 & 559 respectively. YES, it  
works! When the sun sets, I'll try out 80 meters  
& see what's up. More to follow. Oh, NU5X was  
in Hot Springs Ark, & W3PA was in Bedford PA.

Modifications - If you have a SD-20, go to <DEL> key.

I only had a BWidow 13 footer, so I added 4' of 1 1/4"  
pvc to Vern's base, mounted the coil on top of that,

then the BW-13 on the top. With the entire coil in,  
it resonates at 3.430 (so sez my MFJ-249). Just what  
the doctor ordered... & NO ANTENNA TUNER.

Works pretty bueno!

more later

Tim W5FN

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Jeff Grudin <grudin@pacific.vdbs.com>  
Subject: [15923] MMA Vertical Vs Screwdriver Vertical  
Message-ID: <333C2915.7648@pacific.vdbs.com>

Antenna Folks,

I was wondering, the center loaded MMA vertical, looks alot like the  
screwdriver antenna that I use for mobile. The screwdriver is center  
loaded with the same coil, Has a 3 foot base and a full size CB Whip  
(9ft?).

Would the antenna's function be fairly similar to the MMA vertical?

I built a SLV for when I am not around my vehicle. It's beauty is that  
it is light and easy. The MMA would add weight to carry and maybe I  
wouldn't use it if not around my car anyway.

--

73 de Jeff AC6KW  
grudin@vdbs.com

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|                  |                                           |
|------------------|-------------------------------------------|
| QRP-L #16        | Private Practice : Companion Animals and  |
| Exotics          |                                           |
| Norcal QRP #1292 | Ocean Animal Clinic / Cat Clinic of Santa |
| Cruz             |                                           |
|                  | Santa Cruz,                               |
| California       |                                           |

QRP'ers do it with less energy (but lot's of enthusiasm)!

---

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Genevieve A. Winkler" <GDWinkler@compuserve.com>

Subject: [15939] NC38S Tuning Range!

Message-ID: <199703281745\_MC2-136C-B91C@compuserve.com>

Hi Matt,

There are three ways to change that tuning range. You can increase the inductance of the stock 4.7uH choke by a few turns around it. I wrote a post about that a few weeks back. Try three turns. If your tuning range goes down, you have wound it the wrong way. When you get the number of turns which make your rig tune the way you want, put some glue on the choke.

A second way is to put a variable cap in series with the higher choke value you now have installed. That will cancel some of the inductance, and you can set the bottom end wherever you want. This mod also reduces your tuning range by a small amount.

The third way is to put a second variable pot in series with the ground end of your tuning pot. This will raise the lowest voltage that can be applied to the tuning diode, and again reduces your total range, but again will allow you to easily set the low end of your range.

72/73 Dan Winkler N7IVR Seattle WA

.

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Burnley <burnley@netins.net>

Subject: [15848] Need Cabella's Black Widow number

Message-ID: <333B2738.78D7@netins.net>

This weekend I get to make the annual pilgrimage to Kearney, Nebraska which has a Cabella's store. Can anyone please give me the catalog number for the black widow pole used for the SLV antenna? Does anyone also know if Vern's coil can be used with the black widow instead of the SD 20? Thanks in advance.

72/73,

John (NU0V)

Urbandale, Iowa

QRP-L, NWQRP, NEQRP, NORCAL, ARCI, QCWA, CQC

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Len W. Touth" <len@infinet.com>  
Subject: [15936] NEW KIT! Mini 40 M RX A REALITY!  
Message-ID: <199703282224.RAA12092@mail1.infinet.com>

OK Gang:

Believe it or not, this puppy is going to roll!  
I just got off the phone with K8IDN and we have ignition sequence on the Mini 40M RX Kit - The boards will be high quality, and ready approximately May 1st. We are expecting a "kitting" to be done the first week of May with shipments following immediately.

Again, here are the details:

Kit Name: CQrp MRX-40 - Mini Receiver for 40 meters  
Frequency Coverage: Tunes approximately 2 to 3 Kc around 7040  
Tuning via: VXO  
Board Measurements: 2 inches X 1 inch (approx 3/4 inch high once populated)  
Designer: K8IDN Steve Bornstein email:  
saborns@freenet.columbus.oh.us phone: 614 263 5819  
Club Sponsor: The Columbus QRP Club

Price: \$18.00 for the populated board (silkscreened and masked) and all connections to the external world (i.e. pots and jacks) shipped to your door! All you need to do is add some wire, solder, and an enclosure.

This little receiver was designed to complement the Micronaut transmitter, but would be a great addition to any small transmitter. I was amazed when I heard the sound quality. Steve has really done a FB job with this one.  
Of Course, the kit will come with assembly instructions and schematic.

We plan on putting more details on the CQrp Web site this weekend and a picture of the 2 prototypes will be there as well.

TO ORDER:  
Send \$18.00 (check, Money order) to:  
Steve Bornstein K8IDN  
475 East North Broadway  
Columbus, Ohio 43214

Please direct question to the designer at [saborns@freenet.columbus.oh.us](mailto:saborns@freenet.columbus.oh.us)

Again, we expect shipment to commence in Early May. Steve will assign a sequential order number to each order as they are received, and shipment

will be done by order number.

Thanks! Web Site Address in Signature Banner

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

---

QRP-L # 841            CQrp # 2            ARCI # 9025            FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,  
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

---

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: "Len W. Tough" <len@infinet.com>

Subject: [15900] NEW KIT! possibility from CQrp

Message-ID: <199703281639.LAA22311@mail1.infinet.com>

Hi gang.

Well, allow me to let the cat out of the bag just a bit.

The Columbus QRP Club (CQrp) is in the prototype stages of a new kit. Here are the preliminary details. Nothing is written in stone yet. This is just an FYI to see what interest level is out there. We need to know, should the kit get that far, how many kits to initially produce.

Kit Name: CQrp Mini Rx Receiver - CQrp MRX

Description: 40 meter VXO Oscillator receiver (matches the Micronaut Transmitter)

Designer: Steve Bornstein K8IDN

Size: 1" X 2" board (approx 3/4 inch high when populated)

Tuning: Approx. 2 1/2 KC around 7040

Approximation of kit cost: \$18.00 for the populated board and connections to the outside world (i.e. jacks) shipped to your door continental US. This estimated cost does NOT include any ENCLOSURE.

The prototype of this kit really sounds FB and would indeed make a great addition to anyone who owns a Micronaut, or would like to have a VERY small receiver for field day ops, backpacking, hiking, as a back-up field day receiver, whatever. The point is, it is a small receiver that really sounds great.

More details will follow when and if available. Preliminary plans are to have the project kitted and ready to go by early/mid summer.

Please let me or k8idn (saborn@saborn@columbus.oh.us) know if you have interest. We will also post pictures of the prototype to the CQrp web site within a week or so.

Thanks.

Best 72/3

Len

KG8SF

len@infinet.com

KG8SF@key.com

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QRP-L # 841      CQrp # 2      ARCI # 9025      FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,  
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

---

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [15919] New SM0VPO File  
Message-ID: <859576617.0517584.0@gqrpclub.demon.co.uk>

Check out my Demon web site for the latest file from Harold, SM0VPO - How to make PCB's

(direct url: [http://www.gqrpclub.demon.co.uk/pcb\\_1.htm](http://www.gqrpclub.demon.co.uk/pcb_1.htm))

Enjoy!

---72/3---Frank G3YCC G QRP 042

QTHR (Kirk Ella, East Yorkshire)

QRP Web sites: <http://www.gqrpclub.demon.co.uk>

<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [15879] New Vanity Call Sign!!!  
Message-ID: <3.0.1.32.19970328143322.006ddf00@mailhost.primenet.com>

Guys and Gals,

I AM NOW K7ON K7ON K7ON WAHOO!!!  
(yes, I AM shouting...)

-Brian ke7gh@qsl.net

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Philip Karras <ke3fl@access.digex.net>  
Subject: [15883] On The Road QRP/QSO's  
Message-ID: <Pine.SUN.3.96.970328100009.17861A-1000000@access5.digex.net>

Well, I was at Deep Creek Lake (Western MD) for three days (sort of) Tuesday afternoon till Thursday afternoon.

I set up a 40-meter dipole held by the gutter in the center, a tree limb at 15 feet for one leg, and a fence at three feet for the other leg. Not the best but the best I cud manage.

I used a gel cell batt at 12.5 Volts & the lil MFJ 9040. I had seven contacts, from just made it to 27 min rag chew, tho most were just a bit better than just bare contact. Total time on the air in QSO's was: 81 min.

Contacts were: AA0IO/Charles/MO, KF4OKF/Tory/FL, CM2KC/Richard/Cuba, W9ZWW/Forrest/WI, AD4WQ/Shelby/TN, W1IWP/Ben/MA, and N7IJD/4/Nic/NC.

The last, Nic was the only one who answered my CQ. It was my last for this trip. Packed everything up Thursday morning & that was all. The trip & mini-vacation were too short.

The OHR-400 kit arrived while I was on vacatio, now, to make the time to get it up & running....

72 & 73 de KE3FL/Phil  
:-)

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [15912] Please post events earlier!  
Message-ID: <n1352570832.98201@msmailgw1.arlut.utexas.edu>

Just reading Digest, and once again noting with volume of trafffic on this list due to so many requotes, (or just number of messages), that things posted on Wed. for a Thurs. nite event, just now showing up on Thurs. Nite digest posting, that I get on Fri.

Thus, the purpose of the last minute reminder of an event is lost, as it comes the morning after!

Please gang, remember those on Digest only mode.

1) Don't requote the original message, turn off that "feature" of your mail's reply button. Email is just like snail mail, volume of junk will slow everything else down eventually, and it seems to be happening.

2) If you are sponsoring an event or publicizing it, we do appreciate a reminder in our lives, but can't really use it after the fact. POST EARLY, like on Monday for a Thurs. event, post on FRI. for something on the following Tues., and it will reach more folks in time to promote the activity.

A BIG THANKS in advance,  
Stuart K5KVH < rohre@arlut.utexas.edu >

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997



From: Peter\_Simpson@3mail.3com.com  
Subject: [15878] Q- and Z- Signals project completed  
Message-ID: <85256468.004D6B72.00@hqoutbound.ops.3com.com>

Peter Simpson@3COM  
03/28/97 06:16 AM

Hi Gang --

With the help of several of our members, I have accumulated what seems to be a fairly complete listing of Q- and Z- signals. I'll be happy to send copies of the files to anyone who wants them (warning: the files are 67K and 99K long).

I couldn't have done this without help from many people, including Doug Faunt, N6TQS, who sent me two huge files (the Z- signals list is his) and Jim, G4RGA, whose Q-signals list (forwarded to me by Doug) is the foundation for the list I'm distributing. Also: Paul Valko, W8KC, Glenn, V31RY, Steve Lee, AB7HI, Paul Harden, NA5N and Sandy Blaize W5TVW.

There are still some gaps in the Q-signals list. Anyone with a real early Q-signals list is invited to contact me. I believe that the version I need will be dated before 1940, perhaps as early as the 1920s, when aircraft communications were primarily by Morse. As voice became more popular, some of the less used Q-signals were dropped, and these are the ones I am trying to recover. I believe that at one time, there were no gaps in the sequence.

Anyone willing to post the two lists on a web site is encouraged to do so!

72,  
Peter, KA1AXY

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [15894] QR0???

Message-ID: <2.2.16.19970328162946.0a67631a@eloi>

>

>40M really sucked last night. I was calling CQ with 100 watts on my  
>ft-1000mp with no luck. I thought it was suppose to get better!

>

I THOUGHT THIS WAS A QRP LIST??? Geezzzz, there goes the neighborhood...

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: "Brian K. Short KE7GH" <ke7gh@primenet.com>

Subject: [15842] QRP AutoTuner Assembled

Message-ID: <3.0.1.32.19970327233107.006ceb40@mailhost.primenet.com>

Finished all LDG QRP AutoTuner case wiring:

- 1) used threaded stand-offs w/4-40 screws to fasten PCB  
(instead of nylon spacers and long screws/nuts supplied)
- 2) used solder lugs w/buillin star washer (instead of crimp  
spade lugs supplied) to fasten ground connections on S0-239s
- 3) used substitute coaxial power plug to fabricate power cable

Applied power with microprocessor inserted and saw all LEDs  
flash (appropriately) and measured quiescent current at 12.8ma.

Will fully test with RF and adjust tomorrow.

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 ke7gh@qsl.net

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Brian K7ON Short <ke7gh@primenet.com>

Subject: [15940] QRP AutoTuner Completed

Message-ID: <3.0.1.32.19970328232036.006d5b5c@mailhost.primenet.com>

My LDG QRP AutoTuner is completed and adjusted.  
Works very well with my MFJ Dummy Load, but a  
bit further testing with slightly more effective  
radiators is required...

Nice kit! Brian k7on@qsl.net

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: wa5whn@juno.com (Jay D Miller)  
Subject: [15938] QRP Hide Outs/GPS/Web Maps  
Message-ID: <19970328.153835.4455.1.wa5whn@juno.com>

QRP-Lers,

2 very interesting web sites;

<http://tiger.census.gov/instruct.html>

<http://www.delorme.com/>

The first URL will allow You to build (CGI or GIF) a map into Your' Web page. There is enough FAQ sheets there to show You how this is accomplished. Also, it will allow You to build a very detailed map, provided You know where You are going. Why the 2nd URL ? I have Delorme's "Street Atlas", ver. 4.0. With this, and a Garmin 12XL GPS receiver, plus a laptop computer, I can navigate fairly well, in remote areas. I am repeatedly asked " why do I have Lat./Long. in most of my messages ?" Now, before You sailors in the crowd start chuckling, most of the Southwest & Rocky Mountain part of the USA don't have 4 & 6 lane freeways, to every City, as KI6DS & K5FO will attest to, last QRPTTF ('96), enroute to Riley, NM (Ghost Town). In fact, if I had told Doug & Chuck to take the first right, just past the 300 lbs. rose quartz boulder, at a heading of 240 degrees magnetic, down this cow path, then turn left, just after crossing the Rio Salado (at night), they would have tried to drown me in the sand (There's no water) or would turn back.

Most used 8 channel (they are dropping in price very rapidly) GPS receivers sell for around \$120.00. I have seen new Garmin GPS-38's for \$140.00. A part of our Hobby is into APRS, using GPS receivers.

Once, in a snow storm, I had navigated to a vehicle, when the visibility, was down to less than 10 feet in front of me, with a GPS receiver. Some don't work very well in forests (Garmin 12XL does). There are enough GPS FAQ sheets on the Web (alta vista search engine will take You there.)

So, what does this have to do with QRP ? A number of us, on the QRP-L, tend to head into very unpopulated areas for FYBO (Az. scQRPions), QRP To The Field (NorCal), QRP AField (New England) and the ARRL Field Day. Speaking of which, our ARRL Field Day site resides on top of a 9,600 feet (Lat. 36 degrees 01 minutes 36.1 seconds N, Long. 106 degrees 50 minutes 10.0 seconds W) peak, with 100+ feet Ponderosa Pine trees. There are no roads to this site, and You must have 17" of ground clearance, on the vehicle, to get there. If You plot this site on a map, You will see it is 1 mile SE of the San Gregorio Reservoir. You will billy goat (crawl

over) rocks & in 4 wheel drive, up the side of a mountain, in a dried out stream bed, over fallen logs. You can disappear in this part of the Country for months, and not see another Human. The lack of water could kill You, out here, just as well as snake, or a scorpion bite. This group (QRP-L) tends to be outdoor types. Small radios, in the great outdoors. (Don't forget to view the Hale-Bopp Comet this weekend, NW part of the sky, just after sunset).

How many of You have ever been on horse back, enroute to a remote radio site ? One of the most scenic trails, that I like to operate from, is the Trigo Canyon trail, starting at Lat. 34 degrees 40 minutes 12.9 seconds N, Long. 106 degrees 27 minutes 49.2 seconds W. A very beautiful 3.5 hour hike with waterfalls, vistas that I can not describe, and hidden lagunas (Lagoons).

The VHF/UHF/SHF types have been using Maidenhead Grid Squares for many years. I just happen to be in Grid Square DM65qd. So, there is a natural marriage of these 2 technologies within the hobby. Mainly for beam heading & distance measurements.

So, the next time we give You a Lat./Long. of our location, You can think, those Fools are out in the middle of nowhere again, but they are NOT lost. ;-)

Can anyone tell me what is at the following Lat./Long.; ?? A very famous landmark.

35 degrees 02 minutes 00.0 seconds N  
111 degrees 01 minutes 00.0 seconds W

72...Jay, WA5WHN

PS I have no financial interest in Garmin, or in either of these web sites (Delorme & the US Gov. (other than a US Taxpayer)).

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Tj Johnston, N4UYQ" <tjohnsto@erols.com>  
Subject: [15846] QRP rig Comparison Charts...  
Message-ID: <333B069E.6E6A@erols.com>

The index to the QRPP magazine was quite helpful, but as a newbie... something else would be quite more useful...

Does anyone have a list of the more common (or well known) qrp rigs with some information about each one? For example: (and this is pure fiction here)

| Name | Author | Band Watt Mods | Additional Info |
|------|--------|----------------|-----------------|
|------|--------|----------------|-----------------|

1. Lunker-40 KA4GVW                      40m 300mw            RIT/80m/5w            Schems/parts/mods at  
www.lunker.qrp
2. The Beast KN4YN                      80m 5w            RIT/Chirp contact kn4yn@hamradio.com

With a list like this, I can home in on the rigs I want to build...  
there are so many.. I dont have a clue what they are.

Now.. who has one?????

Tj, N4UYQ

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: wylde@nccn.net (Grover Cleveland)  
Subject: [15854] QRPers @ NAB in Vegas  
Message-ID: <v02130501af60d0a9b995@[205.139.74.224]>

There are surely a few of you going to the Broadcasters' Mecca in two weeks.  
Let's get together. Write to me.

Grover  
K7TP

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [15911] Repair? MFJ Grand Master keyer  
Message-ID: <n1352572033.26588@msmailgw1.arlut.utexas.edu>

Anyone had one of these develop an intermittent where it will seem to work  
when first powered up on AC adapter, but then seems to not output from  
memories after awhile? And in fact goes mute or won't reset?

Have not gotten past taking the lid off, and replacing the internal 9 Volt  
battery, and looking for obvious smoke emission, which as usual with low power  
solid state digital, is not obvious.

Guess I will check power supply and see if it goes west as the thing warms up,  
then will look at filter caps and then? Anyone been down this road before?  
This one had a lot of use before I got it, as part of one knob's lettering is  
worn, but it is clean otherwise. Need to look in a box of papers that came  
with it and other stuff, and see if a manual exists. I think someone said the  
other day MFJ will freely supply manuals on current stuff?

72, Thanks in advance,  
Stuart K5KVH  
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Glen Reid <k5hgb@flash.net>  
Subject: [15913] Seattle Radio/QRP Activities  
Message-ID: <333C0BCC.4013@flash.net>

I will be in Seattle from 9 April through 12 April on business. Are there any not to be missed Radio or QRP activities going on? Radio club meetings? Ham stores or surplus houses to be visited? Any advice will be appreciated. TNX es  
73.

gr  
--

GLEN REID  
K5HGB  
Austin, Texas  
...in the beautiful hill country of TEXAS...

Email: k5hgb@flash.net

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Robert Paschal <r-paschal@worldnet.att.net>  
Subject: [15943] Shielded tunable coil values???  
Message-ID: <19970328233825.AAA16851@LOCALNAME>

I have several of the shielded tunable coils in cans about 0.5" cube. The circular adjustments in the top are various colors - red - yellow - green, etc. Is there any standard relating the colors to the value of the inductance? (These coils are marked "Apollo Corp.")

I have another group of coils from a Ten-Tec kit where, for instance, the yellows are 1.3uH and the blues 2.8uH. Does this mean that the coils of the same color in the other group are of equal value??

Any information on this would be appreciated.

Thanks    Bob    AA0MC

From owner-qrp-1@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: "John Kirk, VE6XT" <jakirk@freenet.calgary.ab.ca>  
Subject: [15843] Single-ended tuner, balanced feed  
Message-ID: <Pine.A32.3.93.970327175539.79674B-100000@srv1.freenet.calgary.ab.ca>

I once read of a really cool idea to use a single-ended tuner on on  
balanced line:  
Ground the rig.  
Don't ground the tuner.  
Install a bead balun between the rig and the tuner. These are the ones  
made by stringing multiple toroids over a piece of coax.

The idea being that, coming off a balanced feed, half of your returned RF  
would love to visit you via the ground. Because of the choke bead balun,  
it can't so, goes up the spout for another shot at the antenna.

I haven't tried it, but it sounds doable. The case of your tuner would be  
hot with RF, but most of us live with that now, due to suboptimal grounds  
anyway.

Worth a try!  
72  
John

From owner-qrp-1@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [15914] Static on projects not yet in case  
Message-ID: <n1352569887.53562@msmailgw1.arlut.utexas.edu>

For those building kits or homebrew projects that notice wiggling of wires  
produces static, a number of things could cause this.

1) To protect the copper side of your new project from shorts, make sure to  
lay it down on an insulating material like a sheet of a page protector, mylar,  
glass or something that is a good insulator and cannot be pierced by snipped  
off component leads that get overlooked on the bench. Or bits of bare wire,

or even metal small tools left out. If they don't short something, they could momentarily touch something and make static heard.

2) Direct conversion receivers, which the 38S is not, have high audio gain, and might be found to amplify triboelectric effects which is the movement of a conductor in an electromagnetic field, and this could be a source of static. Perhaps the 38S has enough audio gain to do this as well? I have not looked at what the overall gain budget is yet, (mine is still in the envelope), but perhaps this is a cause. I think 60 db of gain will make such effects noticeable, and that is not a lot of gain these days of good op amps, etc.

3) Perhaps this should have been number one: If you have static, make sure of your SOLDERING quality. Shiny, proper flow around each wire, etc. The overwhelming cause of troubles is bad solder joints. Use a magnifying glass, or work under one of those 3X illuminated desk lamps, and inspect every solder joint after it is made. Inspect all again before first applying power. Inspect immediately if something does not measure correctly in check out, or the rig seems deaf or dead given an antenna or test signal. Inspect---I think you get my drift.

Good luck, may all your solder joints be shiny ones!  
Stuart K5KVH < rohre@arlut.utexas.edu >

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Peter\_Simpson@3mail.3com.com  
Subject: [15874] T2FD - me too!  
Message-ID: <85256468.00439B8D.00@hqoutbound.ops.3com.com>

Peter Simpson@3COM  
03/28/97 04:29 AM

Hi Jim (and the gang) --

You know, great minds must be in synchrony. I was going to try to find the details on that antenna, myself. There must be a QST article on it somewhere, but it's not in my ARRL Antenna book, which I find strange, because it seems to be a "standard".

The only possible negative I can think of with that design is that it may very well



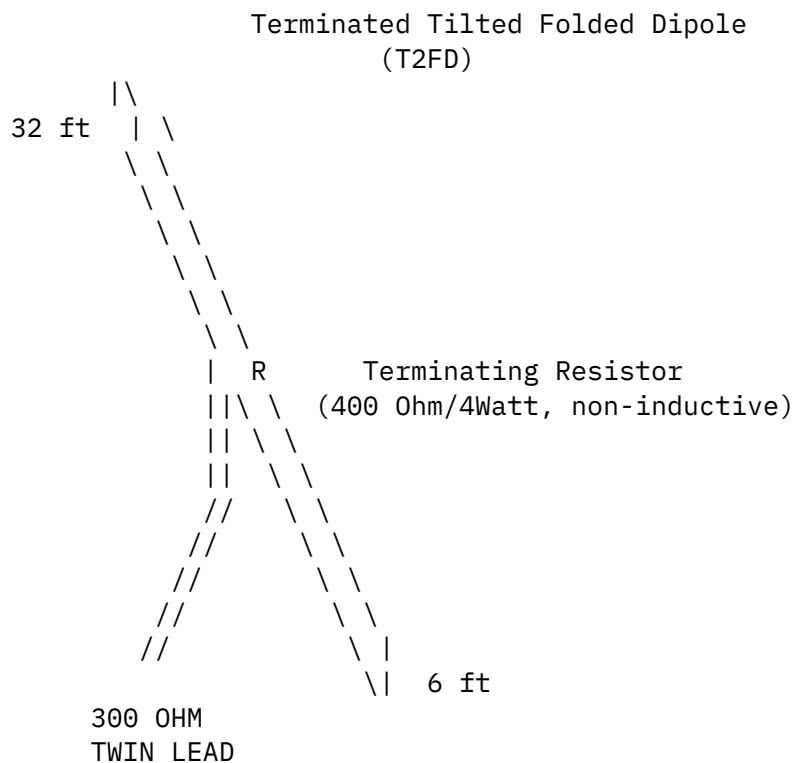
get its broad bandedness by way of terrible gain. I'm always wary of resistors.

I found it! <<http://swl.sds.se/antenn>>

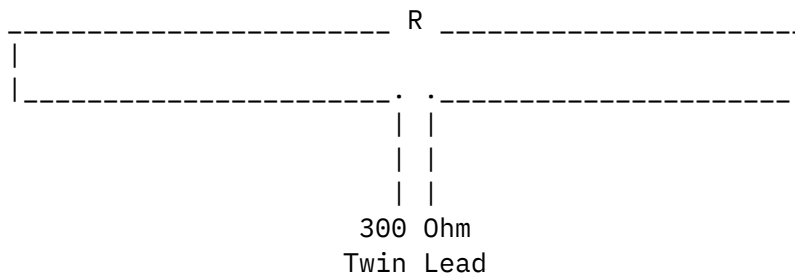
72,  
Peter, KA1AXY

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [15944] T2FD: Drawings, of a sort  
Message-ID: <19970328.185706.4679.3.wb2vuo@juno.com>

Here's a "drawing" of sorts for the T2FD



If you don't tilt it, it will look like this, sort of...



The spacing is 18 inches between the conductors, and the length is 47 feet. This is for 80 - 10 Meters. Seeing that the B&W version is 90 feet long, and listed for 160 - 10 Meters, you could double the length to add the 160 Meter band. I am putting the 47 foot version up for my test here, using 1/2" CPVC pipe for the spreaders and insulators, and putting the terminating resistor in a length of 1/2" pipe for weatherproofing. One reply that I got, thru the local DX Cluster, indicated that the losses, from 10 MHz up, should "only" be 3 dB, and based this on an article by Floyd, WA2WVL in QST last year on a set of terminated long wires for broadband HF coverage.

I guess that we will see how lossy it is. I will be comparing it with inverted vees on 80 - 10 meters.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),  
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group  
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [15893] Ten Tec 1340  
Message-ID: <9703281608.AA22548@tlcnet.muohio.edu>

Hi Gang,

I am building my newly arrived Ten Tec 1340. So far, so good.  
Full report later.

It has occurred to me, this rig and others may benefit by using a vernier dial. Has anyone been putting vernier dials on their rigs? If I decide to do this I will wait till after I have used the rig for a while and see if the tuning is too fast or not.

How have others been mounting the Toroids? The one in the 1340 is small and light weight. TT suggested paraffin or hot glue. I was thinking of perhaps bees wax. Any suggestions?

de Vic Ad8k

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [15880] Terminated Tilted Folded Dipole (T2FD)  
Message-ID: <19970328.093735.4679.0.wb2vuo@juno.com>

The source I have on this "aerial" is the RSGB's "Amateru Radio Techniques", Seventh Edition, edited by Pat Hawker, G3VA.

In Section eight, "Aerial Topics", , page 265, there is a section on "Aerials Using 300-ohm Ribbon Feeder". From the article:

"Two simple aerials featuring 300 ohm feeder are shown in Fig. 2. Fig 2 (a) is the "T2FD" (terminated tilted folded dipole). With the dimensions given, it should provide nearly omni-directional radiation on all bands from 3.5 to 28 Mc/s, although this aerial appears to be appreciaably down compared with dipoles, and is not recommended, except where space is at a premium. Wattage of the terminating resistor is about one-third of the DC input to the transmitter."

The diagram, Fig. 2, shows a wide-spaced folded dipole, with an 18 inch spacing between conductors, an overall length of 47 feet, the high end up 32 feet, and the low end up 6 feet. It is fed in the center, on one leg, with a "300 ohm feeder", and directly opposite, on the other leg, there is a 400 ohm non-inductive terminating resistor. The antenna fits in a 40 foot length. Figuring a 50% efficiency for the "average" transmitter, the terminating resistor would need to be about 3.3 watts for a QRP version of this "aerial"...

There have been several modelings of the T2FD in the past, with results posted on the QRP-L a couple of times, and it is down some 5 - 6 dB from a dipole, as I remember.

This could be a challenging antler to run on QRP, as you can be in the milliwatt class of performance while running almost a "QRP Gallon". Two for the price of one, sort of...

I will play around with the text editor, and see if I can make an ASCII "drawing" of sorts on this antler. Also, my SpellChecker chokes on "aerial" unless I leave it in quotes. Strange...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),  
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group  
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "William C. Robbins" <billrobb@net-link.net>  
Subject: [15889] Tokyo HT-750 SOLD  
Message-ID: <199703281544.KAA28760@serv01.net-link.net>

Title says it all.

Bill

William C. Robbins  
WA8CDU Formerly WN8CDU  
Heath Collector

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: k4wz@juno.com (RON L TODD)  
Subject: [15876] TRADE  
Message-ID: <19970329.084150.13135.7.k4wz@juno.com>

I would like to trade a  
MARQUETTE 47-140 SOUND LEVEL METER and 94 dB. 1000 Hz sound level  
calibrator all working.  
I traded for it , dont need or want it....Would trade for almost anything  
QRP.  
Thanks Ron

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET  
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: k5id@inetsp.net (Kenton E Graham)  
Subject: [15932] Venting frustrations  
Message-ID: <199703282205.QAA10698@inetsp.inetsp.com>

Hello group:

Methinks qrp'ers are the most misunderstood group in hamdom....

Contact today on 40m cw with Baton Rouge station, he gave my qrp signal a 589, but then when I told him I was running my Ten Tec Century 21 at 5 watts, he began to berate me and saying that I was making it hard for the other guy, and I should turn my rig up to full steam (30w)! Guess that would have given me another 7 or 8 db, maybe brought up my MEAGER 589.

Needless to say, I did not linger too long with this station...

O well, guess some people have trouble copying a 589 signal!!

72/73     Ken    K5ID   (too barefoot for some people...)

From owner-qrp-1@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [15898] W worked again, QRP.  
Message-ID: <859566690.117101.0@gqrpclub.demon.co.uk>

Just busy built a new ATU come SWR and decided to test it out today. Tune to 14060 and there is K9GA finishing a QSO. We had a solid QSO 569 both ways, great! Signals were 'watery' always a good sign of DXy conditions. Will get on with the report on my VK5 visit soon, a few problems at home getting in the way at the moment!

Cheers all and there is another great article from SMOVPO in preparation - watch this space!

---72/3---Frank G3YCC G QRP 042  
QTHR (Kirk Ella, East Yorkshire)  
QRP Web sites: <http://www.gqrpclub.demon.co.uk>  
<http://www.geocities.com/CapeCanaveral/5179>

From owner-qrp-1@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [15860] Weird QSL's on the Loose  
Message-ID: <199703280459.VAA14946@usr08.primenet.com>

Howdy Folks,

One of the nice things about printing your own QSL cards is that you can change them to suit your whim. So....

In honor of this year's QTTF theme (weird and unusual places), I've come up with a new QSL that fits the mood. For all QSOs during QTTF and WIMPS that want an AZ QSL, I'll be sending these critters out. Gonna see if this "local" buro works. :)

Collect them all. Win valuable prizes. Care and feeding may be necessary. Void where prohibited by law. Open at other end.

(FYBO QSL's are on the way... Sorry for the delay!)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Jess Gypin <jgypin@bi.com>  
Subject: [15881] Wimpy type contact  
Message-ID: <333BDA7F.69EA@bi.com>

Hi all,

Looks like 30 meters was in good shape this morning. I worked V63AC at about 13:30 at 5 watts. Had to revert to the TS140 though as he was working split down about 1.5 K. Kind of confusing...he was at 10105 and the pile up was spread from 10103.5 to about 10104.5. Not very often that you will have DX working split down.

Best  
Jess N0TFI

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [15839] Re: 38S: Mystery Mod? Easter egg?  
Message-ID: <3.0.1.16.19970327190557.2967719e@mail49.mci2000.com>

At 09:42 PM 3/26/97 -0500, you wrote:

```
>
>
>     Well, I dug through the manual and didn't see anything...
>
>
>     ...ok, I'll bite. What's the spot for X401 for?
>
>     An upgrade to the filter?
>
>     A deliberate spot for the K8IQY filter upgrade?
>
>     b
>
>
>     . . . . . - I own my own words - . . . . .
>     Bill Acito
>     acito@asdg.enet.dec.com
>     |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA
>
>     W1PA          qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life
>
```

Bill....it is the location for the second crystal that Ori made provisions for so that a standard half-lattice crystal filter could be implemented in the 38S. I didn't use the half-lattice implementation because I didn't want to mess around with custom crystals. Instead, I used a 2 crystal ladder configuration. The second crystal uses the X401 location, but you also have to do some tin smithing on the pc board traces to get everything in. See my earlier post with all of the modifications.

72....Jim

```
Jim Kortge, K8IQY (ex NU8N) | BMHA, NorCal, QRP-L
jokortge@tir.com           | __o Cascade 17/40 SSB
Fenton, MI                 | _'\<, Mizuho 17/40 SSB
... .. (*)/(*) . . . . .
```

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: w7rfm@juno.com (John E Hirsch)  
Subject: [15891] Re: Advice Sought?  
Message-ID: <19970328.075040.2718.3.w7rfm@juno.com>

When you see your new call sign on the FCC Data Base you CAN use it at that time.

no nee to wait.

John W7RFM (VE)

On Fri, 28 Mar 1997 15:18:17 +0000 Brian K7ON Short <ke7gh@primenet.com> writes:

>Just checked the ARRL FCC Transaction Database this

>morning and learned about the new call sign assigned:

>K7ON K7ON K7ON ...

>

>Anyway, when should I start using it on the air?

>DXCluster, APRS, TCPIP, etc, etc... How do I go

>about getting software registrations changed?

>

>How long can I continue using the old call (on air)?

>Can I use both for some period of time while changing?

>

>Puzzled, Brian K7ON xKE7GH

>

>

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: "David Yanke" <n9ssg@pobox.com>

Subject: [15935] Re: Advice Sought?

Message-ID: <199703282222.QAA02849@mail.xnet.com>

>

> Just checked the ARRL FCC Transaction Database this

> morning and learned about the new call sign assigned:

> K7ON K7ON K7ON ...

>

> Anyway, when should I start using it on the air?

> DXCluster, APRS, TCPIP, etc, etc... How do I go

> about getting software registrations changed?

You are now k7on. You might be able to make a case in some peoples mind that you don't have to start using it until you get the hard copy, but that would be the longest.

You now have a new call. Enjoy it.

---

The psychiatrist said it was an excellent session. He even gave me this jaw restraint so I won't bite things when I am startled.



Dave Yanke - N9SSG

mailto:n9ssg@pobox.com <http://www.pobox.com/~frrl>

PGP Pubic Key: <http://www.xnet.com/~n9ssg/pkey.htm>

FRRL, COL, 10-10 #67441, FISTS #2365, ARRL

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Ed Pacyna <pacyna@auratek.com>

Subject: [15926] Re: Another late Ham Publication

Message-ID: <3.0.16.19970328162855.0a3722b6@galaxy.auratek.com>

At 02:14 PM 3/28/97 -0700, you wrote:

>Just received my December 1996 issue of QEX in the mail yesterday

>(3/27/97)... Holy Cow, USPS!!

It's not the US PS.

QEX has consistently been 3 to 4 issues behind for well over a year now.

Ed, W1AAZ

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: jmlowman@ix.netcom.com

Subject: [15929] Re: Another late Ham Publication

Message-ID: <1997328134728641@ix.netcom.com>

On 03/28/97 16:28:56 you wrote:

>QEX has consistently been 3 to 4 issues behind for well over a year now.

Has anyone asked why this is? If not, maybe I will.

I'm up for renewal soon, and may pass on QEX if the answer is not satisfactory.

72 de Jim - KF6CR

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [15933] Re: Another late Ham Publication  
Message-ID: <Pine.LNX.3.93.970328165426.1193A-1000000@dns.vidtel.com>

On Fri, 28 Mar 1997 jmlowman@ix.netcom.com wrote:

> On 03/28/97 16:28:56 you wrote:  
> >QEX has consistently been 3 to 4 issues behind for well over a year now.  
> Has anyone asked why this is? If not, maybe I will.  
> I'm up for renewal soon, and may pass on QEX if the answer is not satisfactory.

Well, as a new ham I susbrscribed to everything in sight, at first. But with QEX I've been consistantly "under-whelmed" with the content. Most of it is so esoteric that I don't use nearly all of it. Think I'll let it lapse and pick up Sprat.

|                                           |  |                                |
|-------------------------------------------|--|--------------------------------|
| -- Christopher Cartwright, Tech. Engineer |  | ...our chief weapons are fear, |
| -- Voice 301.990.0735 N3XRV QRP-L #655    |  | fear and surprise, and nice    |
| -- Mail ccart@vidtel.com                  |  | red uniforms, oh damn!!        |
| -- ccart@erols.com                        |  | -- Monty Python                |

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Wa2eaw@aol.com  
Subject: [15851] Re: ANTENNA\_SCRUBBING  
Message-ID: <970327205533\_-1470910227@emout14.mail.aol.com>

In a message dated 97-03-27 16:16:16 EST, HIMES@idic11.idi.oclc.org writes:

<< In Ohio, we scrub our antennas every March after we're sure there's no more road salt around. The molecular radii of the salt particles is such that their adherence beyond April is assured if we don't get to it soon enough. So it's a big thing here with us. We use 1200 grit paper and wet-sand it. I call the fire house boys and they bring over a ladder truck so I can scrub off my ladder line too! They're usually pretty good-natured about it, figuring they and I are doing a public service anyway. >>

I found that 0000 steel wool does a better job. You must me very careful to abrade the complete periphery ( circumference ) of the wire or you will get " hot spots" at the unsanded spots. Very hard to find once you know of their existance.

72...Bob WA2EAW

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Ed Pacyna <pacyna@auratek.com>  
Subject: [15924] Re: Balanced Tuners  
Message-ID: <3.0.16.19970328160615.2e9f93ee@galaxy.auratek.com>

>Any device which has an unbalanced input and a balanced output  
>is ipso facto a balun.

>

>There are two functions which a balun can perform. First is  
>transformation from unbalanced to balanced (and vice versa).  
>Second, since the device actually is a transformer, you can  
>use it to transform impedance by putting a different number  
>of turns on one side of the transformer as compared to the other.

There's more. There are current baluns and there are voltage baluns.  
Current baluns split current and voltage baluns split voltage. The correct  
type must be used based on the application (e.g. driving an antenna,  
driving transistor in push pull amplifiers etc.).

73

Ed, W1AAZ

>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: N4JS <n4js@amsat.org>  
Subject: [15855] Re: Centennial QRP Rig  
Message-ID: <v03020901af60e66c2130@[206.106.174.44]>

>Gang:

> Several of you have asked about this rig. I am re-posting  
>the info from Dan's WWW page for those who missed it the first time around.  
>

But other burning questions such as "what size is the board?" and "how much  
is the CW option?" are unanswered on the web page. I faxed Dan's a query,  
so maybe I'll hear. I have my checkbook warmed up and ready!

|                |                            |                   |
|----------------|----------------------------|-------------------|
| John L. Sielke | n4js@amsat.org             | n4js@pobox.com    |
|                | n4js@n4js.ampr.org         | NJ Grid:FM29LN    |
|                | http://www.pobox.com/~n4js | NJ-QRP #57        |
|                | QRP-L #884                 | QRP-ARCI #9328    |
|                | NE-QRP #507                |                   |
|                | G-QRP #9544                | Norcal #????      |
|                | QCWA Life Member           |                   |
|                | WIMPS: Qs=000              | 30m=0 17m=0 12m=0 |
|                | States=00/00/00            |                   |

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "KA5T Larry Wise" <lewise@inetport.com>  
Subject: [15915] Re: FSFM reports !?  
Message-ID: <199703281845.MAA03010@admin.inetport.com>

Worked Jim, K3QIO in DE last night at 0306Z...

Nice sigs into Texas... He was 559...

Larry  
KA5T lewise@inetport.com

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Ronald Hands <Ronald.Hands@freenet.hamilton.on.ca>  
Subject: [15937] Re: Ghost Morse  
Message-ID: <Pine.GS0.3.95.970328172659.8769A-100000@james.freenet.hamilton.on.ca>

On Fri, 28 Mar 1997, Marshall Emm wrote:

> I think probably you have a tendency to hear what you are listening  
> for, whether it's really there or not.

Ah, that explains why the turn-signal clickers on my car clearly  
enunciate "pizza, pizza, pizza..."

-- Ron VE3SP  
ronald.hands@freenet.hamilton.on.ca  
aa753@hwcnc.org

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [15870] Re: Hearing Code All The Live-Long Day  
Message-ID: <970328092000Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/

ADMD=CWMAIL/C=GB@MHS>

Morse Code Disease Crosses the Atlantic !

Last night, while driving home in very slow traffic on the motorway (freeway) I was scanning about on the car radio trying to find an interesting station to listen too (some hope!) when I suddenly heard .--- ... .-- and then this morning, as I was reading one of the messages about people hearing Morse Code when they are not at their rigs, I heard - - - .. .. -

Am I going mad? (probably) Is it the dreaded Morse disease spreading from the States?

No, the one on the car radio was part of a jingle for the News on a Commercial station, and the one this morning was a cartoon that the Kids were watching where a robot emitted the CW signals.

Now where did I put those pills that Nils kindly sent me?

Nurse, the screen please!

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: ekscott@ibm.net  
Subject: [15903] Re: Hearing Code All The Live-Long Day  
Message-ID: <333BF9F1.45E2@ibm.net>

I don't know if anyone else has noticed but on occasion I have heard CW on C-Span in the background. At first I thought maybe I had this seemingly common affliction, but when my wife asked if I had my radio on I knew it wasn't something I needed to be medicated for. To make a longer story shorter now when surfing on the TV I jump to C-span and listen for CW (yeah I know sick sick sick)

Erin Scott KK7GE  
ekscott@ibm.net

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Rick Hadley" <r.hadley@www.mebbs.com>  
Subject: [15910] Re: Hearing Code All The Live-Long Day  
Message-ID: <1.5.4.16.19970328123352.19cffcfc@www.mebbs.com>

At 09:03 AM 3/28/97 -0800, ekscott@ibm.net wrote:

>I don't know if anyone else has noticed but on occasion I have heard CW  
>on C-Span in the background

One of our local stations, KGAN, sends "WX WX WX" before each severe weather  
alert. I've always thought that to be a right neighborly thing to do for  
those of us who know what it means!

-----  
Richard W. (Rick) Hadley  
W0FG - Life Member ARRL  
QRP-L #1019  
r.hadley@www.mebbs.com  
The Solutions Store, Ltd.  
-----

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Larry East <wlhue@amsat.org>  
Subject: [15895] RE: Java (the drinkable kind...)  
Message-ID: <2.2.16.19970328162945.0a67b5f4@eloi>

>I kinda like Starbucks coffee, and have no interest in trying out other  
>brands of coffee.

Personally, I can't stand Starbucks coffee... guess I'm just a wimp.

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Buck Switzer <n8cqa@tir.com>  
Subject: [15859] Re: MI-QRP Good Friday Sprint  
Message-ID: <199703280415.XAA01065@tir.com>

At 10:14 PM 3/27/97 EST, you wrote:

>Buck,

>

>In your post to the QRP-L dated 20 Mar. '97 , in the greeting; "Gang- the  
>MI-QRP Club.....Times are 22:00z 03/28/97 to 02:00z  
>03/29/97.....".

>In the Rules printed below; "DATE: 23:00z 28 March,1997 to 03:00z 29  
>March 1997."

>

>The time has been posted both ways on different web pages BBSs etc..

>Which is right?? Contesters want to know..

>72,

>Bill, K5ZTY

>Houston, TX  
>k5zty@juno.com

>

Bill - Sorry for the mix up. Times are 2300Z to 0300Z (Sat). Guess we were already in DST when the earlier times were announced. Hope to work you.

L. T. "Buck" Switzer, N8CQA, 654 Georgia Ave., Marysville, MI 48040-1243  
Home (810)364-9640, Home Fax (810)364-8179, Work (810)949-0151, Work Fax (810)949-0203  
n8cqa@tir.com, am441@detroit.freenet.org

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Buck Switzer <n8cqa@tir.com>  
Subject: [15838] Re: MI-QRP Sprint.....HELP!  
Message-ID: <199703280003.TAA28498@tir.com>

At 05:46 PM 3/27/97 -0600, you wrote:

>Howdy from Texas...

>I have found conflicting times posted for the GOOD FRIDAY SPRINT....

>is it from 2300 to 0300 or is it from 2200 to 0200 ????

>I would hate to miss an 'operating event' of this nature....

>CU---OJ---K10J

>HOUSTON,TX

>QRP-L 732

>..

OJ - Sorry about the mix up. Sprint starts at 2300Z ends at 0300Z (Sat.).  
1800 EST to 2200EST.

We had a little confusion on one of the releases. See you then.

L. T. "Buck" Switzer, N8CQA, 654 Georgia Ave., Marysville, MI 48040-1243  
Home (810)364-9640, Home Fax (810)364-8179, Work (810)949-0151, Work Fax (810)949-0203  
n8cqa@tir.com, am441@detroit.freenet.org

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>  
Subject: [15836] Re: More 38 Special DX  
Message-ID: <3.0.1.16.19970327190031.2967428e@mail49.mci2000.com>

At 02:49 PM 3/27/97 -0800, you wrote:

>Friends,

>

>I woke up this morning at 1:30 a.m. PST to recycle some coffee and decided  
>to take a very quick listen to 30 Meters on my 38 Special. Turned the rig  
>on and immediately heard V63DA (Micronesia) calling CQ. One call and he was  
>in the log. I now have 14 countries with my 38 Special and I think that  
>brings me even with Jim Kortge, K8IQY. Hey Jim---my V63 can beat up your  
JW5.

>=====

>Bill Jones - KD7S <><

>Sanger, California

>Reply to kd7s@psnw.com

>=====

>

>

Yes Bill, but while you were doing that. I was working G0DAB and HP1X  
to put numbers 15 and 16 in the log. BTW, the JW5 was number 14!

72....and keep going!

Jim

|                             |         |                        |
|-----------------------------|---------|------------------------|
| Jim Kortge, K8IQY (ex NU8N) |         | BMHA, NorCal, QRP-L    |
| jokortge@tir.com            |         | __o Cascade 17/40 SSB  |
| Fenton, MI                  |         | _`\<, Mizuho 17/40 SSB |
| ...                         | (*)/(*) | .                      |

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: kd7s@psnw.com (Bill Jones)

Subject: [15853] Re: More 38 Special DX

Message-ID: <199703280237.SAA04526@sierra.psnw.com>

Good grief, Jim, don't you ever take a break? Here I have to get up in the  
middle of the night just to try to keep up with you and now you're ahead by  
TWO contacts. Okay, I'm making a fresh pot of coffee right now. Don't let  
your guard down.

>Yes Bill, but while you were doing that. I was working G0DAB and HP1X  
>to put numbers 15 and 16 in the log. BTW, the JW5 was number 14!

=====

Bill Jones - KD7S <><

Sanger, California



Reply to kd7s@psnw.com

=====

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Conard Murray <ws4s@InfoAve.Net>  
Subject: [15886] Re: New Vanity Call Sign!!!  
Message-ID: <2.2.32.19970328152305.00aed7bc@infoave.net>

At 02:33 PM 3/28/97 +0000, Brian K. Short KE7GH wrote:

>Guys and Gals,

>

>I AM NOW K7ON K7ON K7ON WAHOO!!!

>(yes, I AM shouting...)

>

>-Brian ke7gh@qsl.net

>

>

Gee Brian, KE7GH is a bit shorter than k7on k7on k7on wahoo. That is a bear for CW. :^)

Congrats!

Conard (just plain old ws4s)

.....  
. Conard Murray WS4S Glowbugs listowner .  
. 217 Dyer Avenue ws4s@infoave.net .  
. Cookeville, TN 38501 615-526-4093 .  
. <>< Wise men still seek Him ><> .  
. Member Arizona ScQRPions QRP-L # 993 .  
. NAVMARCORPS MARS NNNOUTN .  
.....

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Steve/N0TU <N0TU@webaccess.net>  
Subject: [15906] Re: New Vanity Call Sign!!!  
Message-ID: <333C0093.6C51@webaccess.net>

Brian K. Short KE7GH wrote:

>

> Guys and Gals,

>

> I AM NOW K7ON K7ON K7ON WAHOO!!!

> (yes, I AM shouting...)

>

> -Brian ke7gh@qsl.net

Congrates Brian.....your new call has a very nice rythm to it!! Its interesting experience to change one's identity once in awhile! What inspired you to choose k7on? I remember what inspired me! I was so nervous when I took the extra class that my brain froze when I heard that 20 wpm Morse coming at me like a machine gun! I took a deep breath and some how my ram kicked in and the pencil started laying down lead on paper. I let my mind drift towards trying to make sense out of those marks on the paper...Thats when I started to loose it. But quickly recovered (whew!)...at that moment I discovered...one of the arts of cw is not to 'think about it'...or think 'how to do it'...but 'just do it'...(esay to say...I think?) Boy! I was so relieved to hear him say 'I PASSED' all I could think of was 'thank you god'...'thank you'...'thk u'...tks...tu - dah - dit dit dah - So when asked what call I preferred...I asked for W,K,or N zero TU! Thus my call...N0TU. anyhow...congrates we share ur joy!!! Steve...just curious

--

-----  
"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: w7rfm@juno.com (John E Hirsch)

Subject: [15847] Re: No Contacts

Message-ID: <19970327.171933.2822.7.w7rfm@juno.com>

were you able to pick up any angle markers when you took down the radar??? I know that the video paint in radar is goooooooooooooood stuff!!

john

On Thu, 27 Mar 1997 17:53:08 EST tahrens1@juno.com writes:

>

>On Thu, 27 Mar 1997 15:25:17 -0700 (MST) Joe Gervais

><vole@primenet.com> writes:

>Ya know joe, I've got a box full of DF Bearings that

>I got when we took down a radar site in Maine... maybe

>I could use them to rotate my MMA Vertical to change

>the pattern... hmmm

>

>If it works out OK, I probably have enough to go around

>too! Keep you posted.

>

>

>Tim W5FN  
>  
>  
>>BTW, Tim's mention of the AFB just reminded me. Back  
>>when I was in the military, I had access to surplus  
>>military flight line. This is the \*best\* wire I've  
>>ever used. If you know anyone who can get some, get  
>>a few hundred feet. Don't know why you can't get it  
>>commercially. Real shame.  
>>  
>>Cheers de AB7TT,  
>>  
>>-Joe Gervais-Poisson, vole@primenet.com, AZ ScQRPions (Phoenix)  
>>  
>>"It was the monkeys! The monkeys did it!"  
>>  
>>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [15850] Re: No Contacts  
Message-ID: <199703280147.UAA01867@mail3.voicenet.com>

Joe, you wrote, in part:

>BTW, Tim's mention of the AFB just reminded me. Back  
>when I was in the military, I had access to surplus  
>military flight line. This is the \*best\* wire I've  
>ever used. If you know anyone who can get some, get  
>a few hundred feet. Don't know why you can't get it  
>commercially. Real shame.

But you forgot the most important part! Old timers know that  
for best results, you absolutely have to cleanse flight line  
periodically with prop wash! Even giets rid of the regional  
surface contaminants everybody's talking about.

And it works best if you dilute it with JP-7 in the  
ratio of 4:1...

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [15872] Re: NO Contacts  
Message-ID: <8D4D00A.0004001B57.uuout@cheaha.com>

-> > Now, I can tell this is made-up. I mean, who could measure the >  
-> glazing reduction so accurately as to come up with a number like >  
-> 86.9% ? Such precision is not attainable even by scientists, like >  
-> the guys that built the Hubble Space Telescope...  
-> >  
-> > Dana K6JQ  
->  
-> Indeed, if you want to attain that level of accuracy, you need an  
-> ENGINEER!  
-> In fact, as part of the California Foxhunting Team's research in the  
-> field, we found by computer modeling that the highest practical  
-> reduction in glazing was 78.843% even though the scientists would  
-> dispute that. We

I'm not so sure about that, Mike. Talking to some OOF's down here one  
of them use to live out west. They use to use some long-haired formula  
that didn't actually measure the glazing, but rather did a before and  
after "efficiency-equation". He further stated that 86.9% wasn't really  
all that unreal. Down here in the south we don't have to deal  
with the glaze....with all this humidity that we have we have to suffer  
through mushy, soggy wire....really ain't much you can do with it but  
wait for some good DRY weather and let it dry naturally.

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: ukii@megsinet.net (ukii)  
Subject: [15892] Re: No Contacts  
Message-ID: <19970328155654959.AAA187@ns1.megsinet.net>

Wow,Flight Line!

When I was in the Navy,out in the Indian Ocean we used  
flightline ,tied in a noose,to catch Sea Bats in the evening.  
I personally did catch one heck of a sea bat while trying to  
fill a one gallon jar with solar flux way up on the bow,near the  
FOURCASTLE!  
Have a nice day!  
73 de john  
n9ukx

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Dan Tayloe-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
Subject: [15841] Re: No luck.....  
Message-ID: <M63526.044.q8npc.1.970328001440Z.CC-MAIL\*/OU=SATCG/OU=AZBH/PRMD=MOT/  
ADMD=MOT/C=US/@MHS>

-----  
From kory@avatar.com Thu Mar 27 16:38:03 1997  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by  
fidooi.cc.lehigh.edu with ESMTP id <34839-20252>; Thu, 27 Mar 1997  
11:37:54 -0500  
Received: from avatar.avatar.com (avatar.avatar.com [199.33.206.17])  
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTP id LAA86430  
I was on last night testing a receiver front end mod to an old HW-7.  
For those who do not know about these, they are basically a tri-band  
49er. At the moment, 1w is about all I can get out of it, so it is  
real QRPp!

I replaced the 40673 FET front end/product detector with a NE602. SW  
BC am detection was really killing it. The front end change helped a  
lot, but did not totally get rid of the AM detection.

At about 8:30 p.m., in the process of checking it out, I had a nice chat on 40m with a gentleman in St. Louis who was running 50w into a vertical.

I got a nice 569 report, with a report of a good tone, no chirp, no drift signal.

My antenna is a 500 ft horizontal loop, and I think M0 is a favored distance for it.

I was listening for fellow QRPers around 7043 KHz, but didn't hear anything, so I went for one of the loudest signals on the band.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

>40M really sucked last night. I was calling CQ with 100 watts  
>on my ft-1000mp with no luck. I thought it was suppose to get  
>better!

>Kory AC6RN

>>On Thu, 27 Mar 1997, John E Hirsch wrote:

>> I got home last night and tuned up my rig and called CQ for  
>>over an hr. and did not get one response. I was on from 9:30 PM  
>>till 10:50. I went up and down the 40 m band and did not hear  
>>a thing.

>>Wher do you guys & gals hang out?

>> John W7RFN

>> w7rfm@juno.com

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: ed.welch@cheaha.com (ED WELCH)

Subject: [15852] Re: No luck.....

Message-ID: <8D4C3FC.0004001B27.uuout@cheaha.com>

-> 40M really sucked last night. I was calling CQ with 100 watts on my  
-> ft-1000mp with no luck. I thought it was suppose to get better!

-> Kory

-> AC6RN

->

-> On Thu, 27 Mar 1997, John E Hirsch wrote:

->

-> > I got home last night and tuned up my rig and called CQ for over an  
-> hr. > and did not get one response. I was on from 9:30 PM till 10:50.  
-> I went up > and down the 40 m band and did not hear a thing. Wher do  
-> you guys & gals > hang out?  
-> > I new to the qrp game so am not sure were to work.  
-> > I am in WA. and would love to make my first ever qrp contact.

Interesting....I'm in LA(that's lower Alabama<g>) and last night after  
tuning around a while I made contact with NH and PA with 1.8 watts.  
That was around 04:00z. Got one guy really stirred up about QRP...gonna  
send him some info. :)

72/73

Ed Welch KF4KRV

NorCal Member #???

1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>  
Subject: [15899] Re: QR0???  
Message-ID: <199703281637.LAA41217@nss2.CC.Lehigh.EDU>

> >  
> >40M really sucked last night. I was calling CQ with 100 watts on my=20  
> >ft-1000mp with no luck. I thought it was suppose to get better!

Gee, I had no problem getting to the state of Washington !!!

> >

>=20

> I THOUGHT THIS WAS A QRP LIST??? Geezzzz, there goes the =  
neighborhood...

He's fine - he was running his rig through an inefficient tuner &^).

john

-----

John A. Evans                      Chief System Administrator  
Office: (719) 528-1800 x164              Titan Client/Server Technologies  
Fax:        (719) 528-1275              1115 Elkton Dr, Suite 200  
email:    jaevans@cos.cst.titan.com    Colorado Springs, CO 80907-3535

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Norcal    #262    QRP-L    #219    QRP-ARCI    #8303    NE-QRP    #213    CQC    #045  
CQrp      #15    NJ-QRP    #50    AK-QRP      #52    NW-QRP    #454  
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

-----

From owner-qrp-l@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [15942] Re: QRP Hide Outs/GPS/Web Maps  
Message-ID: <333C5651.66CE@dancris.com>

Don't have a map handy, but I believe it's Meteor Crater. A good place  
for QTTF, but bring your own antenna supports, :-). Treeless.

--

72/73 de Roger N7KT              Mesa, AZ      Grid DM43cj  
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,  
HW-9  
NorCal 1099    CoQRP 176    QRP-L 62    G-QRP 9081    ARCI 8946    NE-QRP 383

From owner-qrp-l@Lehigh.EDU   Fri Mar 28 18:04:12 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [15849] Re: Rainbow Tuner -- PC Board Problems  
Message-ID: <199703280139.UAA00946@mail3.voicenet.com>

Jerry, you wrote:

>Hi Gang,

>

>I finally got around to building my Rainbow Tuner Kit..... It works =  
>great!!!! A nice companion to my 38S. I wanted to give the group a =  
>heads up on just in case you encounter the same problem I had with my =  
>Rainbow PC board. There were two traces that were over etched leaving =  
>two open circuits. I found the traces before I tested the kit. Just =  
>give you pc board a good once over before you start soldering component =  
>just in case. I used a couple of resistor leads to bridge the gaps in =  
>the traces.

>

>73's

>

>Jerry Henshaw



>KR5L

Sorry to hear about your problem with the pc board! We do attempt to inspect the boards for defects even though the manufacturer does. I guess this one was missed by both of us!

If anyone receives any defective or missing parts (hmm, hard to receive a missing one isn't it?), in a Rainbow kit, just let me know and you'll have one sent out right away!

BTW, still waiting for blank pc boards to ship the remainder of the first build. They were scheduled to be shipped from the vendor this week.

Speaking for NJQRP...

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Leon Heller <leon@lfheller.demon.co.uk>  
Subject: [15869] Re: RSGB e-mail address needed  
Message-ID: <Za9CACAIKvOzEw3M@lfheller.demon.co.uk>

In message <199703272000.PAA08770@web.gmpvt.com>, Tom Cooper  
<cooper@gmpvt.com> writes  
>Does anyone have an e-mail address for the RSGB? My RadCom isn't  
>getting here and the mail isn't working.

I can't see an email address in a recent RadCom, but there is a Web URL:

<http://www.rsgb.org>

You might be able to contact them via this.

73, Leon

--

Leon Heller

Amateur radio callsign: G1HSM

Email: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>

Tel: +44 (0) 118 947 1424 (home) +44 (0) 1344 385556 (work)

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [15871] RE: RSGB e-mail address needed

Message-ID: <970328091946Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Dear Tom and QRP-L readers,

Would you believe that the RSGB don't have an Email address? No, it's not an April Fool joke, they really don't have one!

You know why? Well their 'reasoning' is that "It would cost too much to pay someone to read and reply to the messages". In which case, I wonder why they answer letters or the telephone? ;-)

They do have a fax machine, but don't try using Winfax (computer based fax system) either - Their fax machine cannot handle it.

21st Century here we come!

De Dave (G0DJA)

RSGB member

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: mdwatt@usit.net (Marty Watt)

Subject: [15844] Re: Some for sale updates, information needed

Message-ID: <333b1356.16646490@smtp.usit.net>

On Thu, 27 Mar 1997 17:55:07 +0000, w8lrn@qtm.net wrote:

>What make and model on the VTVM ??

Oops. Guess that would help, huh?

Heathkit -- IM-18

Sorry I missed it earlier ...

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: wb2vuo@juno.com (William K Hibbert)  
Subject: [15941] RE: T2FD  
Message-ID: <19970328.181727.4679.1.wb2vuo@juno.com>

I am posting this to answer a few questions I received, and possibly answer some not sent yet...

1 - The terminating resistor allows the antenna to be run anywhere in the HF spectrum. That is apparently the source of the extra losses. You trade overall efficiency for very wide bandwidth. It will work on odd harmonics, even harmonics and between harmonics.

2 - The original purpose of the T2FD was for NVIS communications, so it will provide a high-angle signal, dependant on the height of the installation and the frequency of operation. For operation at frequencies where the height is less than 0.25-wave, most of the energy will be radiated straight up, so an installation up 30 feet will show predominatly high-angle NVIS-type radiation from 7.5 MHz and down...

I wasn't going to install one, but one of the replies indicated that I shouldn't be posting opinions of the antler without actually running one. OK, the materials are on hand, and it will be up tomorrow. I have been posting info from references of mine, not opinions of mine, but the effort is minimal, so I will install one. Reports on the installation in the next week or 3...

Happy???

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, Tech Specialist (ARRL/WNY),  
ARRL Life Member, VP/BARK, Beacon Chaircritter, Rochester VHF Group

Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)  
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"  
Packet - wb2vuo@w2im.#wny.ny.usa.noam  
Email - wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
Subject: [15837] Re: Using an Unbalanced Tuner with a Balanced Feedline  
Message-ID: <199703280003.SAA30514@Spacestar.Net>

Charles Kadesch wrote:

: Jim:  
: A good way to use an unbalanced tuner with a balanced feed line  
: is to use a balun on the tuner input and "float" the RF ground  
: of the tuner.

I would advise against this. Although it will provide "better" balance, an unbalanced T or L style tuner is just that, unbalanced. Doing this can put RF on the tuner controls and metal case.

The best approach I have found for using unbalanced tuners with balanced feedlines is a coax choke balun after the tuner. This keeps the RF out of the shack, balances the feedline, is low loss and doesn't cost much.

To make one get a piece of 3" to 5" OD PVC pipe. Close wind 30 feet of RG-58 solid poly dielectric coax on the pipe(don't use foam dielectric). Put a coax connector at one end and a couple of connectors spaced for your balanced line on the other. That's it. Works great, and low loss on HF for reasonable SWR's. Good 80 to 10 meters probably OK on 160.

Hope this helps.

----

73 de KA0GKC Claton Cadmus  
E-mail cla@spacestar.net  
TCP/IP ka0gkc@ka0gkc.ampr.org  
Ask me about the Minnesota QRP Society!  
<http://www.spacestar.net/users/aplitech/mnqrp/>

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [15865] Re: Using an Unbalanced Tuner with a Balanced Feedline  
Message-ID: <199703280704.AAA03401@mailrelay2.sni.net>

Hi, Jim--

>>I use balanced feedlines exclusively with balanced  
tuners. Is it possible to use an unbalanced tuner (LDG  
"group buy" QRP tuner) with a balanced feedline?  
<<

The expression "balanced tuners" is kind of intriguing. I presume you mean tuners that offer connection for balanced feedline. They do that by including a balun, and there is no practical difference between having the balun inside the tuner box or outside it. If you look inside a "balanced tuner" you will almost always find (in my experience) the hot side of the balun is in parallel with the coax output (as is the usual single-wire antenna connection). In fact, fwiw, I have a 1KW tuner with a five position switch which includes a position for "balanced" but in fact it switches to another coax connector on that back, and has no balun.

An advantage of an external balun is that you can run coax outside and put the balun outside your shack. This can reduce or eliminate rfi problems (though perhaps generating new ones on other bands).

To be more specific, I run an "all band" doublet fed with 450 ohm ladder line. The ladder line goes to a balun on one of the antenna connections of a 6x6 coax switch on the output of the AT-11, and it works fine.

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>

Subject: [15885] Re: Using an Unbalanced Tuner with a Balanced Feedline

>From: chas@nmaa.org (Charles Kadesch)

>A good way to use an unbalanced tuner with a balanced feed line

>is to use a balun on the tuner input and "float" the RF ground

>of the tuner. Chas W3KC

Hi Chas, contrary to what you read in the ARRL Antenna Compendium, moving a balun from the tuner output to the tuner input does absolutely nothing to change the common-mode current which is exactly the current that a balun is supposed to eliminate. Roy, W7EL, author of ELNEC and

EZNEC, has a mathematical proof of this on his web page.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [15888] Re: Using an Unbalanced Tuner with a Balanced Feedline

>From: Jim Dolson <dolsonj@ix.netcom.com>  
>I use balanced feedlines exclusively with balanced tuners. Is it  
>possible to use an unbalanced tuner (LDG "group buy" QRP tuner)  
>with a balanced feedline? jim wb8zbd

Hi Jim, if one has an SWR of 1:1 on the balanced feedline, one can simply use a balun at the unbalanced tuner output, 6:1 for 300 ohm line and 9:1 for 450 ohm line. My 4:1 balun never sees anything except a perfectly resistive 200 ohms because my tuning function is between the balun and the feedline.

If one has high SWRs on the balanced feedline, one should only ever use a 1:1 choke balun at the unbalanced tuner output because 4:1, 6:1, and 9:1 baluns are designed to work only around their design resistance with negligible reactance. In general, with an unbalanced tuner and balanced feedline, one should use a 1:1 choke balun and feed the feedline at a current maximum point.

The BASIC program that I posted a few days ago gives the approximate location of the current maximum points.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [15927] Re: Using an Unbalanced Tuner with a Balanced Feedline  
Message-ID: <199703282137.QAA06194@mh004.infi.net>

Hi Marshall,

At 12:03 AM 3/28/97 +0000, you wrote:

>The expression "balanced tuners" is kind of intriguing. I presume  
>you mean tuners that offer connection for balanced feedline. They do  
>that by including a balun, and there is no practical difference  
>between having the balun inside the tuner box or outside it.

You are correct that many of today's tuners use a balun to achieve the balanced state. But 50 or more years ago, there were a lot of truly balanced tuners in use. They were balanced in the sense that each side of the ladder line saw exactly the same circuit.

This was achieved by using a link coupling to the antenna, and by a shunt inductor which was tapped at both ends. Thus the tap on each side could be moved, maintaining the balance.

Some tuners using this or similar techniques are still around. Chapter 25 of the ARRL Antenna Book illustrates several balanced tuning arrangements. The Johnson Matchboxes are examples that are still in common use.

It is true that these "Transmatches" are in effect baluns. IMHO, however, some of these circuits are much more efficient than using a separate balun to force balance into an inherently unbalanced circuit.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC

Probably, but not necessarily. - Benny Hill

WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [15934] Re: Venting frustrations

Message-ID: <Pine.SUN.3.90.970328141719.16762A-1000000@vortex>

On Fri, 28 Mar 1997, Kenton E Graham wrote:

> Contact today on 40m cw with Baton Rouge station, he gave my qrp signal  
> a 589, but then when I told him I was running my Ten Tec Century 21 at  
> 5 watts, he began to berate me and saying that I was making it hard for  
> the other guy, and I should turn my rig up to full steam (30w)!

Hi Ken,

I've been known to have a hard time copying stations like that.....  
you know.....sri om, but qsb took you out.....sri, vy 72 es hpe  
fer better condx next time.....ar

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: Bill Todd <bill@techline.com>  
Subject: [15864] Re: Weird QSL's on the Loose  
Message-ID: <1.5.4.32.19970328063017.006abba8@mail.techline.com>

>Collect them all. Win valuable prizes. Care and feeding  
>may be necessary. Void where prohibited by law. Open at  
>other end.

How about "Use No Hooks" and the ever popular "This End Up"?

CUL, Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Fri Mar 28 18:04:12 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [15882] Re: Weird QSL's on the Loose  
Message-ID: <19970328.090116.15767.19.tahrens1@juno.com>

Howz about... contents may have settled during shipment...!!

cu

tim W5FN

On Thu, 27 Mar 1997 22:30:17 -0800 Bill Todd <bill@techline.com> writes:

>>Collect them all. Win valuable prizes. Care and feeding  
>>may be necessary. Void where prohibited by law. Open at  
>>other end.

>

>How about "Use No Hooks" and the ever popular "This End Up"?

>

>CUL, Bill-N7MFB

>

>

>